DEPARTMENT OF TRANSPORTATION

COAST GUARD

OCEANOGRAPHY OF THE GRAND BANKS REGION OF NEWFOUNDLAND

March 1974–October 1974

OCEANOGRAPHIC REPORT No. CG 373-74

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OCEANOGRAPHY OF THE GRAND BANKS REGION OF NEWFOUNDLAND March 1974 - October 1974

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ABSTRACT

Two cruises were conducted to the Grand Banks of Newfoundland during the 1974 International Ice Patrol season. The main purpose of these cruises was to assist Commander, International Ice Patrol in the prediction of iceberg drift. Direct current measurements were made in the Ice Patrol area with both subsurface current meter arrays and shipboard current meter stations. A flow onto the Grand Banks was observed in addition to the southerly flowing Labrador Current. An additional research project was completed involving the tagging of icebergs and the observation of their drift.

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CHARLES R. WEIR[1]

INTRODUCTION

During 1974 Ice Patrol Season the CGC EVERGREEN (WAGO-295) conducted two oceanographic cruises near the Grand Banks of Newfoundland (Fig. 1). These studies aided Commander, International Ice Patrol (CIIP) by providing him with real-time ocean current analysis. Experiments were also conducted to study the effect of ocean currents and wind on the drift of icebergs and to measure ocean currents directly with the use of current meters.

The geostrophic component of the surface currents was computed from salinity and temperature data collected with an S/T/D Environmental Profiling System (STD). A level of no motion was assumed at 1000 meters. In water shallower than this depth, STD casts were taken as close to the bottom as practicable, normally 20 meters. All data were processed real-time aboard ship using a Digital Data Logger/Computer System and the evaluated current information was transmitted to CIIP. The method of calculating the dynamic height for each station is described by Kollmeyer, et al. (1967).

8-15 APRIL CGC EVERGREEN SURVEY

From 8 April to 15 April the USCGC EVERGREEN conducted a survey along Standard Sections A3, A2B, A2A, and A2 mod. (Fig. 2). Fifty-two STD stations corresponding to Ice Patrol Station numbers 11491 through 11542 were occupied. The Labrador Current can normally be found flowing along the eastern edge of the Grand Banks (Scobie and Schultz, 1976). During this survey a portion of the Labrador Current was found to be flowing easterly, south of Flemish Cap. In addition the trough, or area that separates the North Atlantic Current and the Labrador Current, was unusually wide when compared to the normal pattern. For the southerly flowing portion of the Labrador Current, the maximum surface current was calculated to be 47.5 cm/sec between station 11495 and 11496. The volume transport between these stations was 1.56 Sverdrups. This is comparable to past April surveys. That portion of the Labrador Current flowing eastward, south of Flemish Cap has a maximum calculated current of 6 cm/sec between station 11519 and 11520. Although this was not a very strong current, it could have caused an iceberg to drift about 3 nautical miles per day.

At about 44°30′N, 45°30′W the North Atlantic Current divided into two separate patterns. The northerly arm of this warmer current was greatly intensified by the end of the month as was shown by the next survey. The maximum current velocity of the northerly area was 14.5 cm/sec between stations 11518 and 11519. Between stations 11504 and 11505 the current was calculated to be 47 cm/sec.

The volume transport of the southward flowing Labrador Current was as follows:

Section	Volume Transport (x $10^6 M^3$/sec)
A3	2.65
A2B	2.12
2B	2.90
A2 mod.	2.77

29 APRIL-1 MAY CGC EVERGREEN SURVEY

During this survey Standard Sections A2A and A2 mod were completed in addition to a special section connecting these standard sections: SS1. Thirty-six STD stations consisting of Ice Patrol Stations 11547 through 11578 were occupied. The purpose of the special section was to better measure the eastward flowing Labrador Current south of Flemish Cap. As can be seen from figure 3, the current system was more complicated

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during this survey. The northern arm of the North Atlantic Current intensified and was calculated to be flowing at 88 cm/sec between stations 11558 and 11559.

The volume transport between these two stations was 5.74 Sverdrups. The wide trough region between the southerly flowing Labrador Current and the North Atlantic Current was still apparent.

The volume transport of the Labrador Current during this survey was:

Section	Volume Transport (x $10^6 M^3$/sec)
A2A	5.16
A2 mod.	2.50

8-16 JUNE CGC EVERGREEN SURVEY

This survey consisted of sixty-six STD stations with Ice Patrol station numbers 11579 through 11645. Sections A4, A2A, A3A, A3, A3B mod. and A2 mod. and a special section connecting A2A and A3, SS2 were occupied with a 3½ day delay between sections A3A and A3 for current meter operations (Fig. 4). An extra section was added between the western end of A2 and St John's, Newfoundland. Station 11649 was deleted. The most dominant feature of this survey was the cyclonic pattern centered at about 43°30′N 48°30′W. The Labrador Current was flowing easterly south of Flemish Cap. The maximum calculated speed of the southerly flowing part of the Labrador was 44 cm/sec between stations 11609 and 11610. The North Atlantic Current was calculated to be flowing at 62.5 cm/sec between stations 11602 and 11603.

The volume transport of the Labrador Current during this survey was:

Section	Volume Transport (x $10^6 M^3$/sec)
A4	.07
A3B mod.	2.42
A3A	1.58
A3	1.00
A2A	2.79
A2 mod.	1.31

29 JUNE-3 JULY CGC EVERGREEN CRUISE

The final survey of the 1974 Ice Patrol Season was composed of Ice Patrol station numbers 11656 through 11689 taken along Standard Sections A2B, A3, and A3A (Fig. 5). Two special sections, SS3 and SS4, connected A2B to A3 and A3A to A3 respectively. A segment of the Labrador Current continued to flow easterly, south of Flemish Cap although this part of the current was not well sampled by this survey. The maximum speed of the southerly flowing component of the Labrador Current was found between stations 11670 and 11671 to be 35 cm/sec. The maximum velocity of the North Atlantic current was found between stations 11680 and 11681 to be 75 cm/sec.

The volume transport of the Labrador Current for this final survey was:

Section	Volume Transport (x $10^6 M^3$/sec)
A2B	3.34
A3	2.51
A3A	1.44

INSTRUMENTATION AND METHODS

A Plessey Environmental Profiling System (STD) Model 9040 was used in conjunction with a Sonycraft, Inc. (Chicago, Illinois) Digital Data Logger (DDL), a Kennedy Co., Inc. 1600R tape recorder (Altadena, California) and a DDP-516 Honeywell Computer. For a further description of this processing scheme see Rosebrook (1974), Morgan, et al. (1976) or Hayes (1978).

Deep-sea reversing thermometer and salinity samples from Nansen bottles were compared with the STD values at maximum cast depth. The salinity of the Nansen cast samples was determined with an inductive salinometer. The STD values varied from these quality control values by −.07 to +.01C in temperature and −.40 to +.08‰ in salinity.

ANCHORED CURRENT METER STATION

To formulate an idea of the actual Eulerian currents encountered along the Grand Banks, current meter measurements were made. From 2011Z on 27 April to 2111Z on 28 April 1974 the CGC EVERGREEN was anchored in 102 meters of water at position 45°36.8′N, 48°33.4′W. During this time two Hydro Products current meters, Model No. 502 were lowered over the side on the end of the STD cable. These meters recorded on strip charts current speed, current direction and sea water temperature once every 30 seconds. These meters were set such that they were to be 75 meters and 25 meters from the bottom. To determine the effect of the ship's motion on the current meters, records were kept of the ship's heading. The wire angle at the surface was recorded hourly along with weather conditions. At 1500Z on 28 April the current meter wire became fouled on the

anchor cable. This led to a wire angle of 50° which affected the depth of the meters to an unknown extent, although they continued to operate. The current meters were successfully recovered at the end of the experiment. The results are shown in figure 6. In this figure the tangential and normal components are oriented with the isobaths with the normal component in a direction of 140°T and the tangential component in a direction of 050°T. With such a short observational record it is difficult to analyze the current. However, it is important to note the high velocity of the normal component starting at 1500Z on the 28th. Calculations of the currents from oceanographic stations do not show this current.

SUBSURFACE CURRENT METER ARRAYS

In 1974, three current meter arrays were deployed in the Ice Patrol area. Figure 7 illustrates the array design used on these deployments. Depths represent the shipboard fathometer readout and were not corrected for the actual speed of sound.

The first array was deployed in position 44°42.7′N, 48°54.9′W in 1344 meters. The CGC EDISTO (WAGO-284) was the deployment platform with LCDR A. H. LITTEKEN, Jr. on board as Field Party Chief. The array was streamed from the forecastle using the anchor last method. The two EG&G Model 850 current meters were switched on at 1845Z 11 February 1974 and the array was set at 1945Z 11 February 1974. With this depth of water, current meter number 253 would have been 794 meters below the surface and current meter number 229 would have been 1294 meters below the surface. This array was retrieved on 8 April 1974 by the CGC EVERGREEN (WAGO-295). Current meter number 253 had 16 days of good data. Current meter number 229 contained no usable data since the compass readings were all zeros. The plot of the data from 253 is shown in Figure 8.

The second array was deployed by the CGC EVERGREEN in position 44°42.6′N, 48°58.0′W in 1124 meters. Current meter number 252 was set 661 meters below the surface and was switched on at 1750Z on 8 April 1974. Current meter number 301 was set 1092 meters below the surface and was switched on at 1801Z 8 April. The array was retrieved by the CGC EVERGREEN on 12 June 1974. Unfortunately, neither current meter produced usable data. The tape did not advance on 252 and the speeds read all zero on 301.

The third array was deployed by the CGC EVERGREEN on 13 June 1974 in 1131 meters of water in position 44°41.7′N 48°55.0′W. Current meter number 254 was set 560 meters below the surface. Current meter number 300 was set 1071 meters below the surface. This array was also streamed from the buoy deck using the anchor last method. The anchor was let go at 0435Z 13 June 1974. This array was recovered by the CGC EVERGREEN at 1730Z on 12 April 1974. The tape on current meter number 254 was unreadable. The record on current meter 300 at first appeared to contain good data. However, further processing showed that this record could not be interpreted.

PERSONNEL

IIP 1-74, Phase I

LCDR A. H. Litteken, Jr.—Field Party Chief
Mr. R. M. Hayes—Asst. Field Party Chief
LTJG D. T. Jones
MST1 B. R. Peters
MST1 M. F. Alles
ET2 W. S. Krug

Phase II

Mr. R. M. Hayes—Field Party Chief
LTJG D. T. Jones—Asst. Field Party Chief
MST1 B. R. Peters
MST1 M. F. Alles
MST2 R. H. Schultz

IIP 2-74, Phase I and II

LCDR R. W. Scobie—Field Party Chief
MSTC W. E. Heller—Asst. Field Party Chief
ETC W. T. Lewis (Phase I only)
MST1 B. R. Peters (Phase II only)
MST1 M. F. Alles (Phase II only)
MST3 J. S. Small
MST1 J. H. Campbell, Jr.
ET3 L. A. Haney

OFF-SEASON CRUISES

Data from off-season cruises were sent to Commander, International Ice Patrol for his use in predicting the coming Ice Patrol season. The CGC CHASE occupied Standard Section A2 in March 1974. The CGC SHERMAN occupied Standard Section A4 in October 1974. These data follow the CGC EVERGREEN data.

DATA

The data presented in the Tables of Oceanographic Data are from the listings provided by the National Oceanographic Data Center (NODC), Washington, D.C. Standard and significant values were computed by the Oceanographic Unit and submitted to NODC (NODC Cruise No. 31-8370.)

ICEBERG TAGGING AND DRIFT STUDY, INTERNATIONAL ICE PATROL CRUISES 1974

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ABSTRACT

Iceberg tagging and drift experiments were conducted near the Grand Banks of Newfoundland in April and June 1974. Results of these experiments, which were an attempt to tag icebergs by encircling them with a floated line with RDF transmitters for relocation and identification, show that this method is not feasible. During storms the line parted from both strain and chafing. When weather was fair the iceberg would work free of the line circle, probably by rolling over or under the line and out of the circle.

Average iceberg drift speeds vary from 10.3 cm/sec to 56.5 cm/sec. The average drift angle with respect to the wind direction varies from 21° to the left to 92° to the right. When in the high velocity core of the Labrador Current, iceberg drift is predominantly controlled by the current. In the area of weak current, iceberg drift is determined by wind drag on the subaerial portion and by water drag on the subsurface portion. The resultant drift of an iceberg with respect to the wind is an important input to an iceberg drift model, and experimental methods for predicting this wind drift effect are discussed.

INTRODUCTION

During the 1974 Ice Patrol season the Coast Guard Research and Development Center and the Coast Guard Oceanographic Unit conducted an iceberg drift project aboard the CGC EVERGREEN. This project provided average drift vectors for six icebergs in the Grand Banks of Newfoundland area over a period of three to six days. The results were forwarded to Commander, International Ice Patrol (CIIP). Comparisons were then made by IIP between the observed drift values and those predicted by computer model. Icebergs were tagged to allow for the surveillance of a number of bergs distributed over an area of up to 300 square miles. This also assured positive identification upon subsequent visits to obtain position fixes. In the past, attempts have been made to mark icebergs using dye; however, iceberg melting, rain, wave action, and iceberg rolling often caused the dye patches to be washed away. The complications of tagging a berg for future recognition center around the dynamic nature of an iceberg.

Icebergs near the Grand Banks often deteriorate rapidly. An iceberg's rate of decay is a function of its environment and internal structure. Deterioration is hastened by warm sea and air temperatures, as well as by rough seas. Rivulets of melting water may be seen cascading down the sides of some icebergs creating large channels on the surface and often collecting in pools in the basin areas. Others of the drydock variety have wave-cut embayments which concentrate wave forces and speed deterioration. Large chunks of ice often calve from icebergs to accelerate their destruction. Instabilities, which result from deterioration, cause icebergs to pitch and yaw and in severe cases to roll over completely. In consequence of these dynamic changes, it has been very difficult to put anything on, or attach any device to, an iceberg that would remain in position long enough to give positive identification over a significant time interval (i.e., about 5–7 days).

METHODS

During the International Ice Patrol 1974 season a method was tested for location redetermination and differentiation of icebergs used in drift studies

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near the Grand Banks region. The bergs were surrounded by an array of floats (styrofoam cylinders) connected by buoyant line (polypropylene, ⅜" diameter). The length of this line varied from 400m to 800m depending upon the size of the iceberg. A spar-type, buoyant RDF transmitter (Finders Buoy, Ocean Applied Research Corporation) was included in the line circle. One hundred and eighty degrees from the transmitter was a spar buoy with either a radar reflector for electronic detection and/or red flags for visual detection (Fig. 9).

Each RDF transmitter had a different transmission frequency to permit positive identification independent of visual observation. The buoys were located with an automatic direction finder (Ocean Applied Research Corporation manufacturer) mounted on the bridge of the CGC EVERGREEN. The antenna for this system was secured to the railing just forward of the bridge. Early attempts at locating the RDF transmitters using handheld receiving sets were frustrated by the apparent omnidirectionality of the signal at ranges closer than 3700m as well as directional ambiguity at greater distances.

The tagging arrays were deployed from the CGC EVERGREEN during April and June of 1974. This was accomplished by casting off a spherical float attached to one end of the line. The ship circled the iceberg playing out the line until the float could be recovered. The two ends of the line, each having eye splices and thimbles, were joined together with a shackle. The tethering ring of the RDF spar buoy was attached to the shackle and placed in the water. The iceberg, thus encircled, carried along its array as it drifted.

During the first cruise (April/May 1974) the iceberg tagging project was plagued with the difficulty of locating suitable icebergs for tagging (i.e., small enough to tag) in the survey area. After three had been successfully deployed, all were carried from the icebergs during a storm which lasted two days. Winds reached 19.5 m/sec, and seas increased to 5 meters. Only one of these arrays was eventually recovered. The line on the recovered array was broken in two places. One break appeared to be the result of chafing. The other break occurred with such force that the ends of the polypropylene strands were fused together. In this case there was no sign of chafing. Because of these problems, little useful data were obtained on this cruise.

More favorable weather for iceberg tagging prevailed during the second cruise (June/July 1974). Therefore, the CGC EVERGREEN, using similar arrays was able to track several icebergs in dense fog for nine days.

ICEBERG DRIFT RESULTS

The drift of the six icebergs was determined for the time between observations as often as possible during the period 20/0911Q to 29/0138Q June 1974. Individual icebergs were tracked from 1.6 to 4.8 days. Wind velocities were logged hourly by the CGC EVERGREEN's bridge watch. All icebergs tracked during the experiment were located in the area bounded by 44°30′N to 47°30′N and 47°00′W to 48°30′W. Air temperatures during the iceberg tagging project ranged from 3.9°C to 9.4°C with an average about 6.4°C. The surface sea water temperature for the same period ranged from 1.1°C to 10.6°C with an average about 3.9°C. The weather was predominantly overcast with fog and visibility typically less than 100 yards for the entire drift survey. The sea state was moderate to calm. The data from observations taken during the second Ice Patrol cruise of 1974 are summarized in figure 10.

The vector-averaged drift for the icebergs varied from 0.2 knts for iceberg No. 1 to 1.1 knts for iceberg No. 6. The average drift speed to average wind speed ratios ranged from .016 to .085. An expendable surface current probe (EOTECH Corporation) was deployed in the van of iceberg No. 6 and measured a surface current of 1.23 knts, setting at 193°T. This compared to the iceberg drift of 1.1 kns at 212°T. The wind was 13.5 knts from 319°T.

The drift angle for the individual icebergs with respect to the wind direction had a large range of standard deviations from ±18° to ±81°. Furthermore, a number of observations (14%) indicated drift angles to the left of the wind. Ettle (1974) had iceberg drift data from past Ice Patrol cruises that gave a range of standard deviations for drift angles from ±54° to ±104°.

The frequency distributions of the individual drift angles and drift speed: wind speed ratios (Fig. 11 and Fig. 12) for the 1974 drift data, reveal the fact that the majority of the drift angles occur to the right of the wind direction as expected in the Northern Hemisphere; however, the distribution of drift angles is continuous from 20° to 130°. The range extends from −116° to +180°, virtually all quadrants of the compass. The one iceberg (No. 1)

which had a resultant drift angle to the left of the wind was observed in a area of very weak geostrophic currents that flowed opposite to the wind direction. No truly dominant mode is evident from the frequency distributions, but the greatest number of observations fell in the 80° to 90° and 100° to 110° classes.

Likewise the distributions of drift ratio frequencies is rather even throughout the range of 0.008 to 0.132. Again no dominant mode can be observed.

Since the measured wind speed varied merely between 10 and 20 knots during the drift study, no attempt was made to order the wind drift angles and ratios by wind speed class.

DISCUSSION

Smith (1931) addressed the subject of current and wind control drift of icebergs and considered the primary forces responsible for iceberg drift to be gradient currents and wind. He concluded that the resultant drift is dependent upon the degree to which these factors combine. In turn the relative influence of each controlling force is determined by the proportion above and below the surface at which the iceberg floats, the velocity and duration of the wind, and the velocity and depth of the gradient current. For the majority of icebergs the effect of wind is least when there is a strong slope or gradient current present, and maximum when it is weak. The exceptions to this are the fantastically shaped icebergs in their last stages of decay which are winged or pinnacled so that they offer considerable surface area for drag and lift.

Icebergs which drift along the continental slope, such as the ones studied during the 1974 Ice Patrol, come under the influence of the Labrador Current. This appears evident from the south-southwesterly drift of these icebergs (Fig. 13).

The only exception was iceberg No. 1 which was tracked in a region of low current west of the mainstream of the Labrador Current, and in shallow water of 165 meters. For the majority of these icebergs, then, the resultant drift is controlled by the geostrophic current in the area; whereas, the angle of the drift with respect to the wind is a consequence of the time dependent relationship between the relative drag force vectors of the net vertical current shear acting upon the submerged portion of the iceberg, and the wind drag on the above surface portion of the iceberg. Since the iceberg is affected by both air and water, there are two drag terms. If these drag coefficients are determined from the experimental data, then for a given wind velocity, the velocity of the wind driven surface current and the velocity of the iceberg could be calculated by integrating the drag forces over a time period necessary to reach equilibrium. The Coriolis force works in concert with the other forces, of course, to determine the resultant drift, but varies only with latitude and velocity. A small force associated with the slope of the sea surface must be considered as it tends to move the iceberg downhill. To predict iceberg drift these forces must be known or at least accurately approximated.

Since the parameters routinely measured during Ice Patrol are wind velocity and geostrophic current, some attempt must be made to use these data for iceberg drift prediction. To do this, accurate estimates of the unknown forces must be made. Efforts have been made for many years (Smith, 1931; Budinger, 1960; Kollmeyer, 1965; and Ettle, 1974) to characterize the effect of oceanic forces on iceberg drift. Although each study contributed a share to the understanding of the interactions of the motive forces, none contained all the data necessary to specify the predicted drift. Furthermore, accurate iceberg tracking was handicapped by a lack of precise navigational equipment. The advent of satellite navigation has provided the necessary position determining accuracy. The 1974 Ice Patrol iceberg tagging experiment had as a goal the statistical sampling of several iceberg drifts and did not obtain all the necessary force measurements either.

To improve the U.S. Coast Guard Ice Patrol's iceberg drift prediction capabilities, two complimentary projects are being undertaken to quantify the wind effect on icebergs. The first of these is a statistical survey of iceberg dimensions in an effort to relate the above surface area to the submerged area. If, as Smith (1931) believed, there is a characteristic ratio of height to draft (and perhaps area) for each type of iceberg, then the form drag might be defined for a given type of berg.

The second project entails a concentrated effort on a smaller number of icebergs using two vessels for the simultaneous measurement of iceberg drift, wind velocities, velocities of drogues designed to integrate the current over a known depth, and geostrophic current velocities.

It is hoped that these studies together will provide the data base for a statistical determination of wind effect drift angles and speed ratios for icebergs classified by their characteristic shape, and for wind speed classes.

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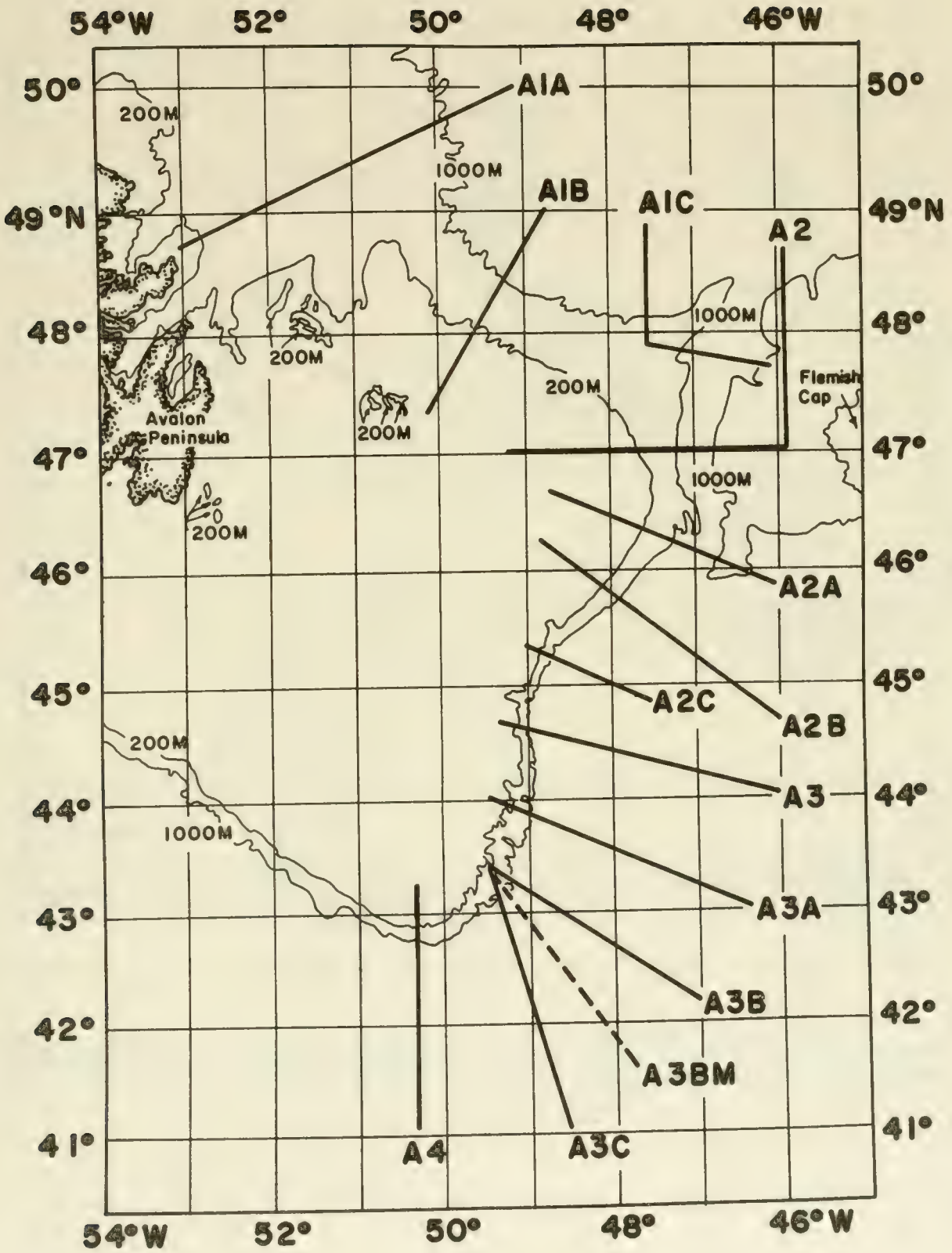

FIGURE 1. Standard International Ice Patrol Sections.

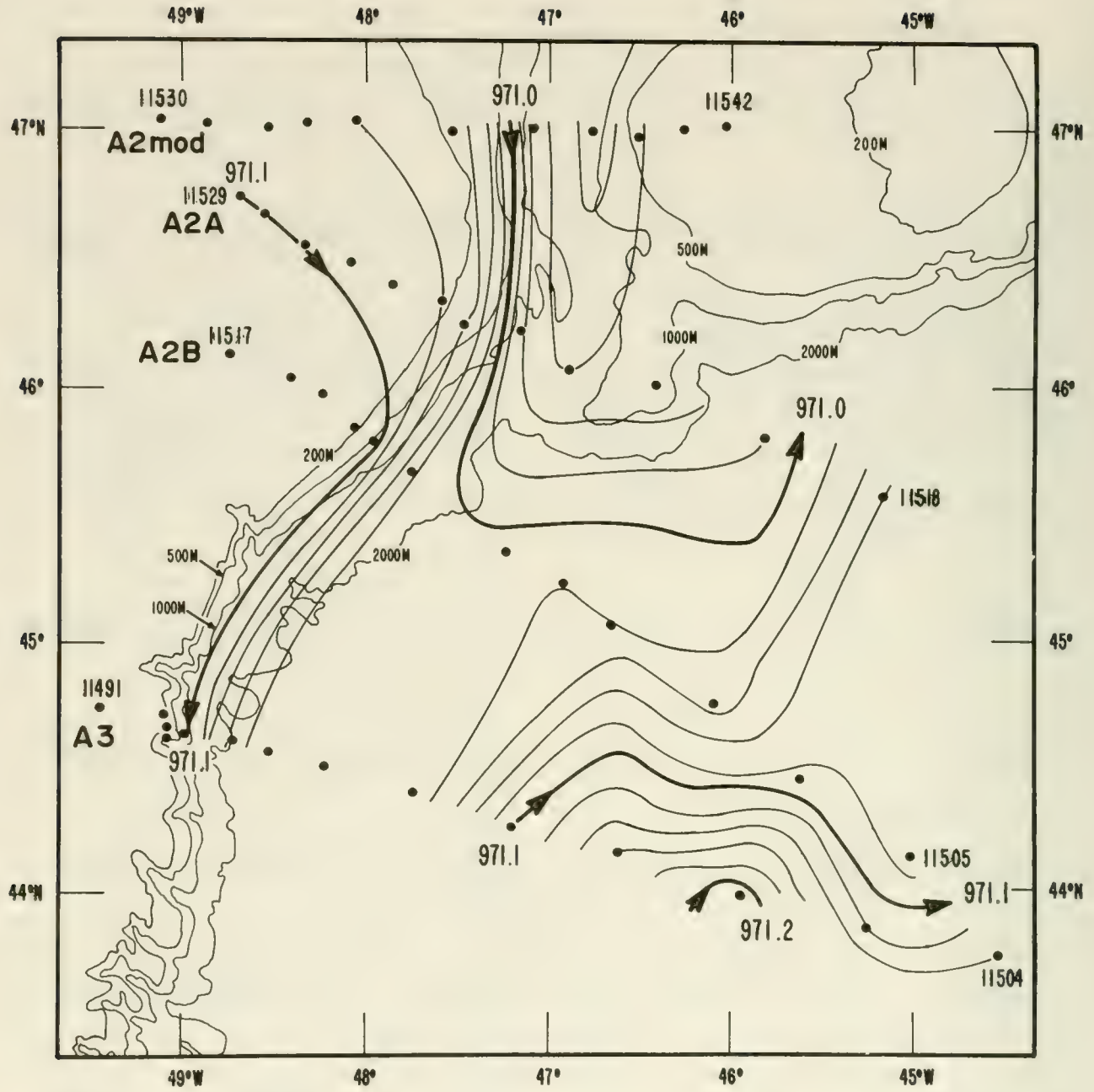

FIGURE 2. Sea surface dynamic topography (dynamic meters) relative to the 1000 decibar surface, from data collected by CGC EVERGREEN, 8–15 April 1974. Contour interval is 2 dynamic centimeters. Oceanographic station numbers are given at turning points.

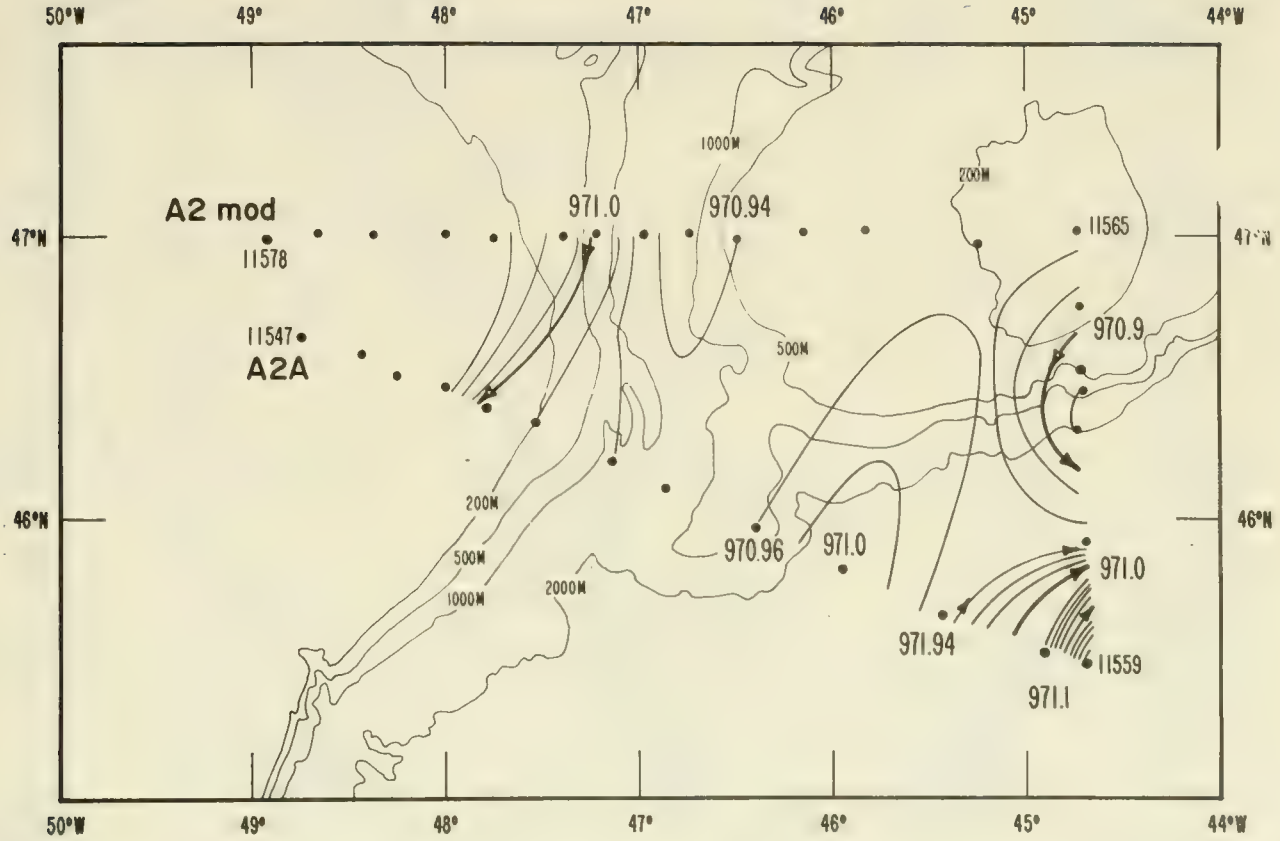

FIGURE 3. Sea surface dynamic topography (dynamic meters) relative to the 1000 decibar surface, from data collected by CGC EVERGREEN, 29 April-1 May 1974. Contour interval is 2 dynamic centimeters. Oceanographic stations position are indicated and the station numbers are given at turning points.

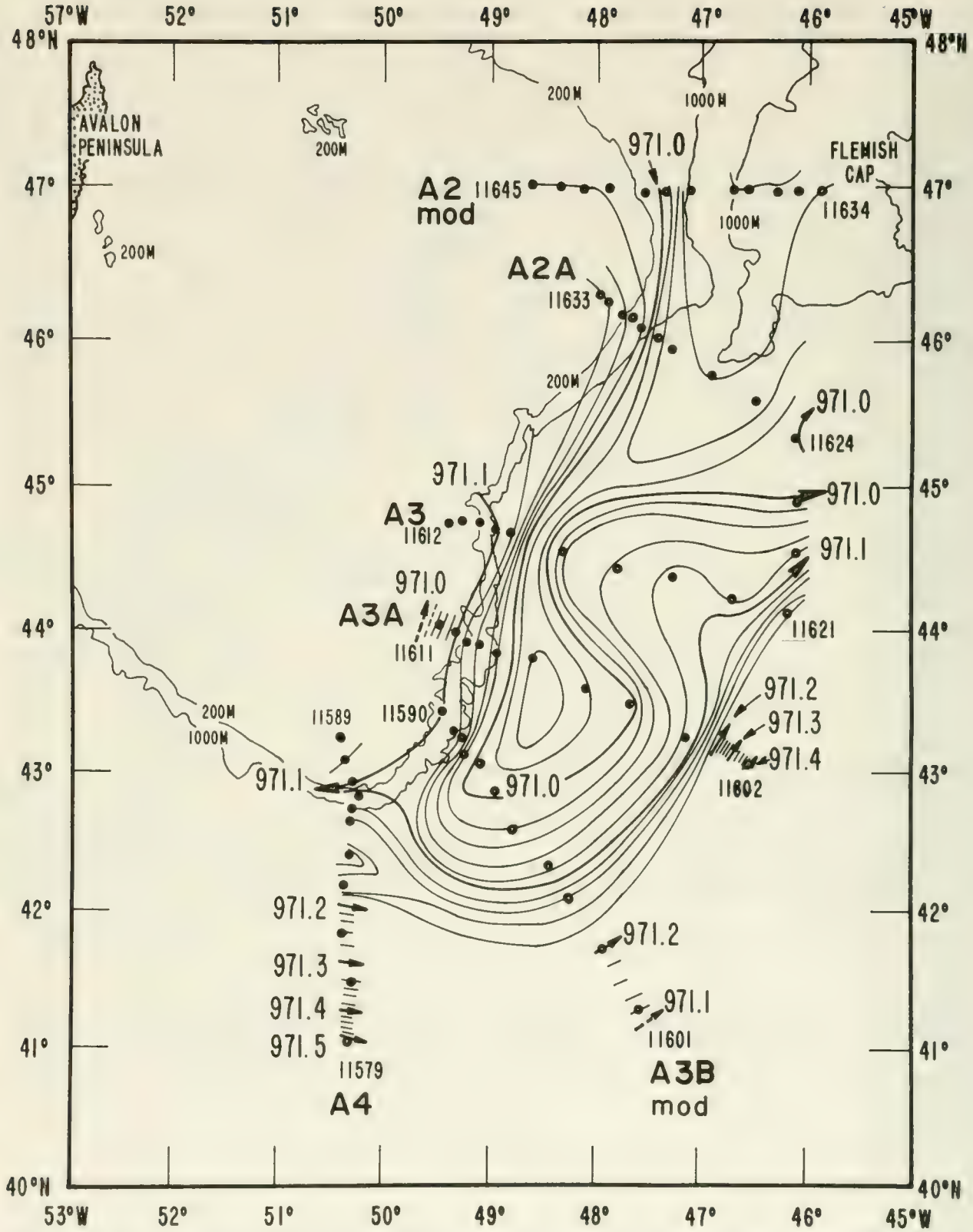

FIGURE 4. Sea surface dynamic topography (dynamic meters) relative to the 1000 decibar surface, from data collected by CGC EVERGREEN, 8–16 June 1974. Contour interval is 2 dynamic centimeters. Oceanographic station positions are indicated and the station numbers are given at turning points.

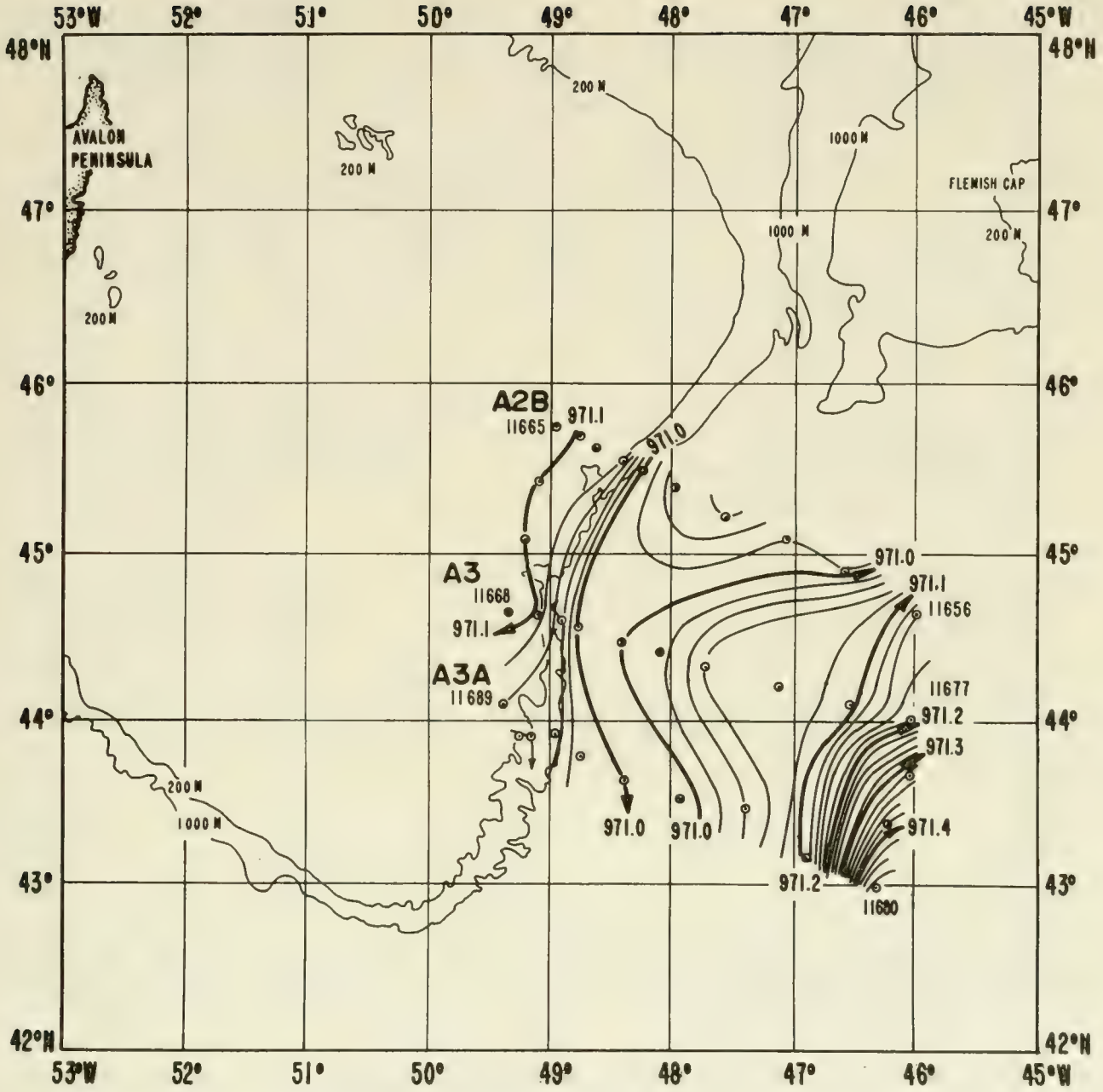

FIGURE 5. Sea surface dynamic topography (dynamic meters) relative to the 1000 decibar surface, from data collected by CGC EVERGREEN, 29 June-3 July 1974. Contour interval is 2 dynamic centimeters. Oceanographic station positions are indicated and the station numbers are given at turning points.

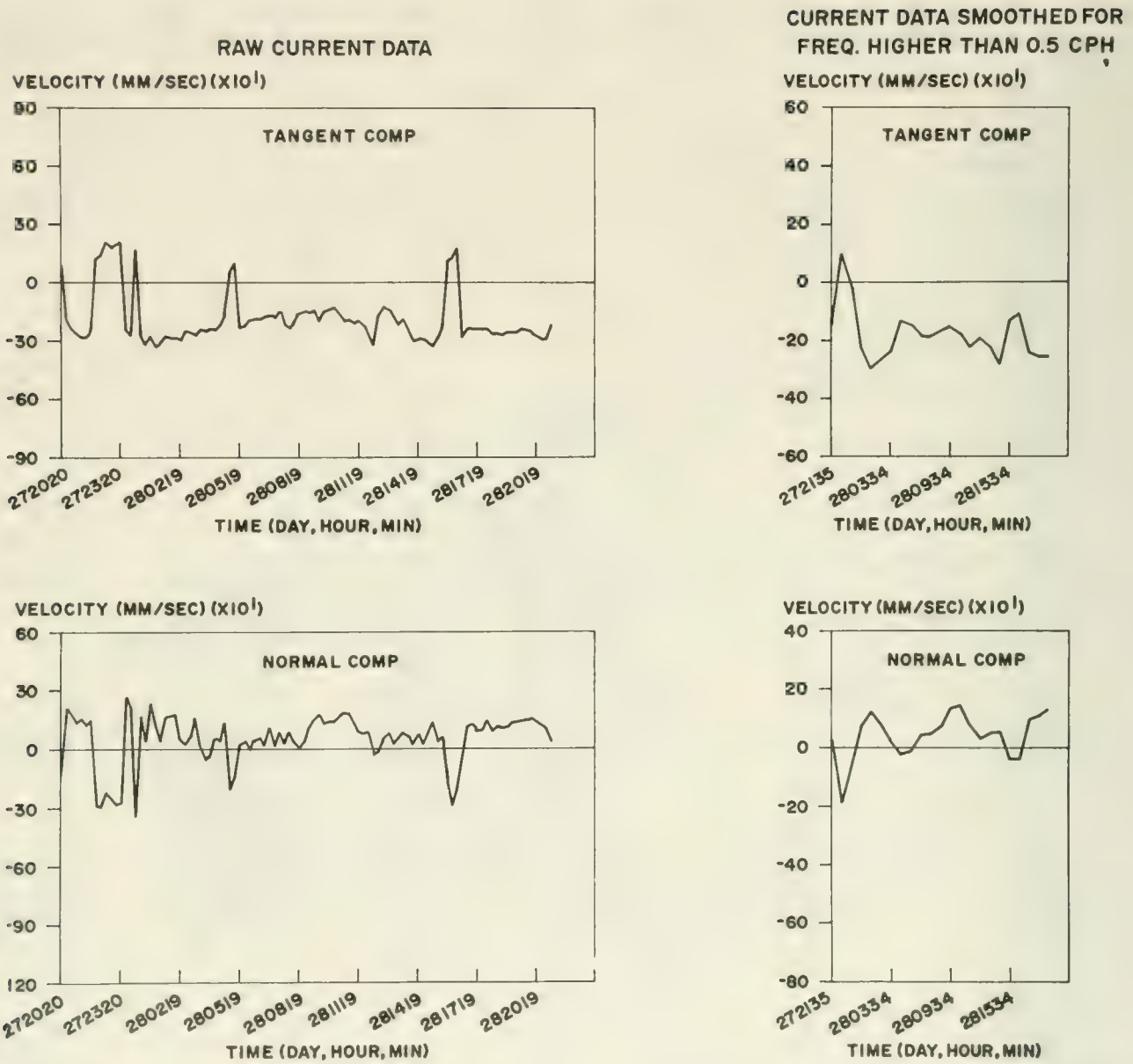

FIGURE 6a. Anchored current meter data taken in position 45°36.8′N, 48°33.4′W by the CGC EVERGREEN, 27–28 April 1974. Top current meter.

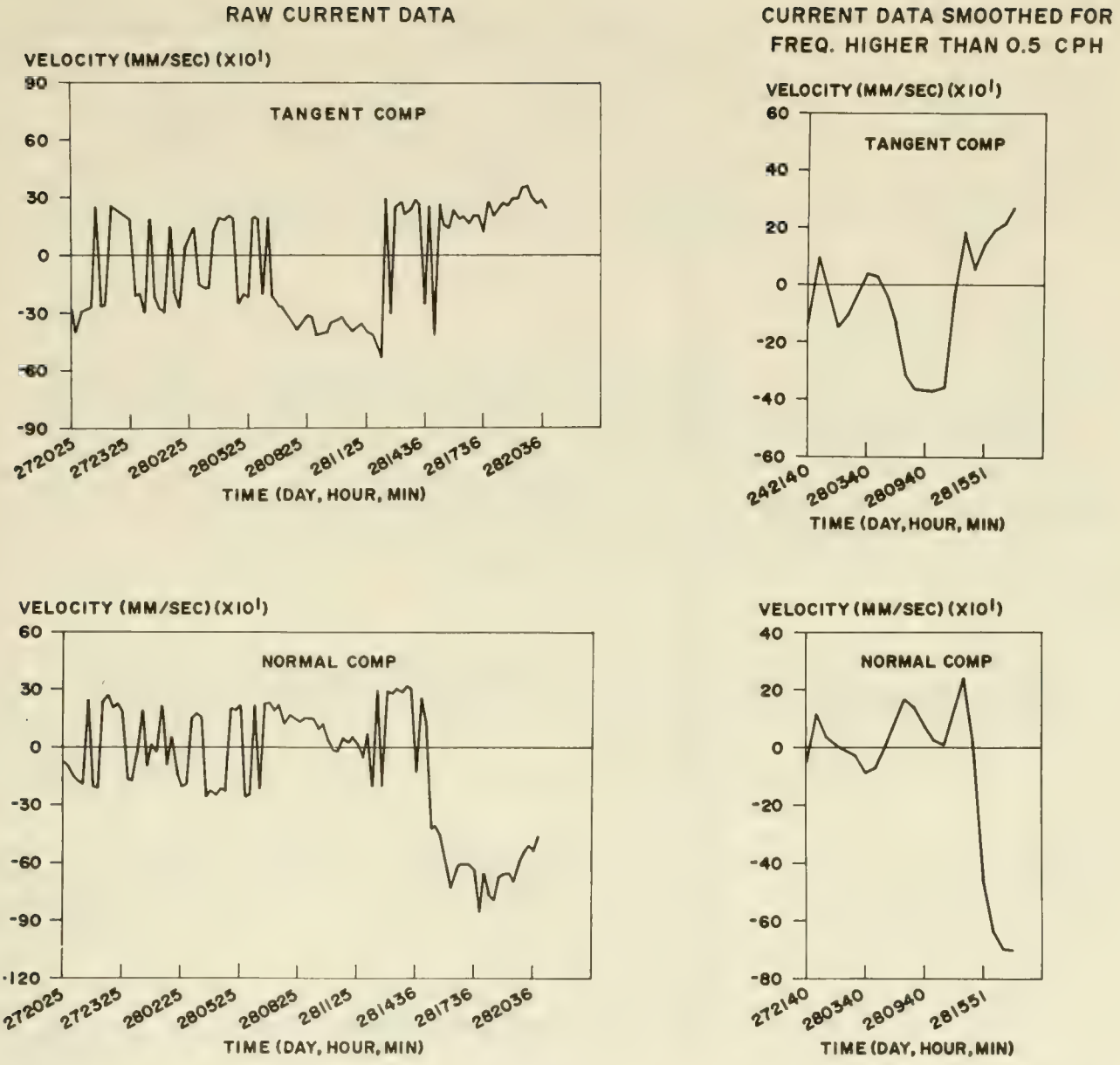

FIGURE 6b. Anchored current meter data taken in position 45°36.8′N, 48°33.4′W by the CGC EVERGREEN, 27–28 April 1974. Bottom current meter.

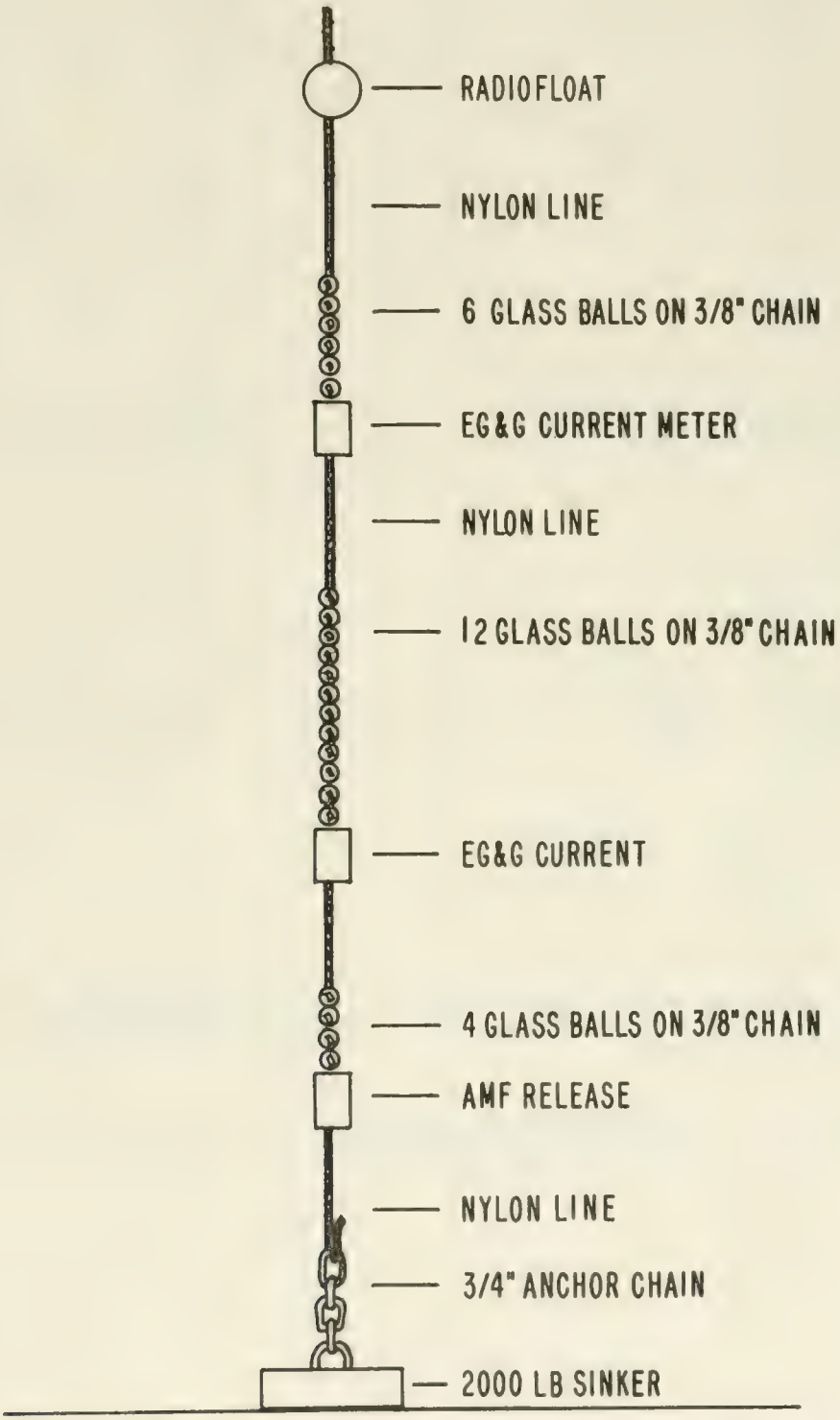

FIGURE 7. Design employed for subsurface current meter measurements, IIP–1974.

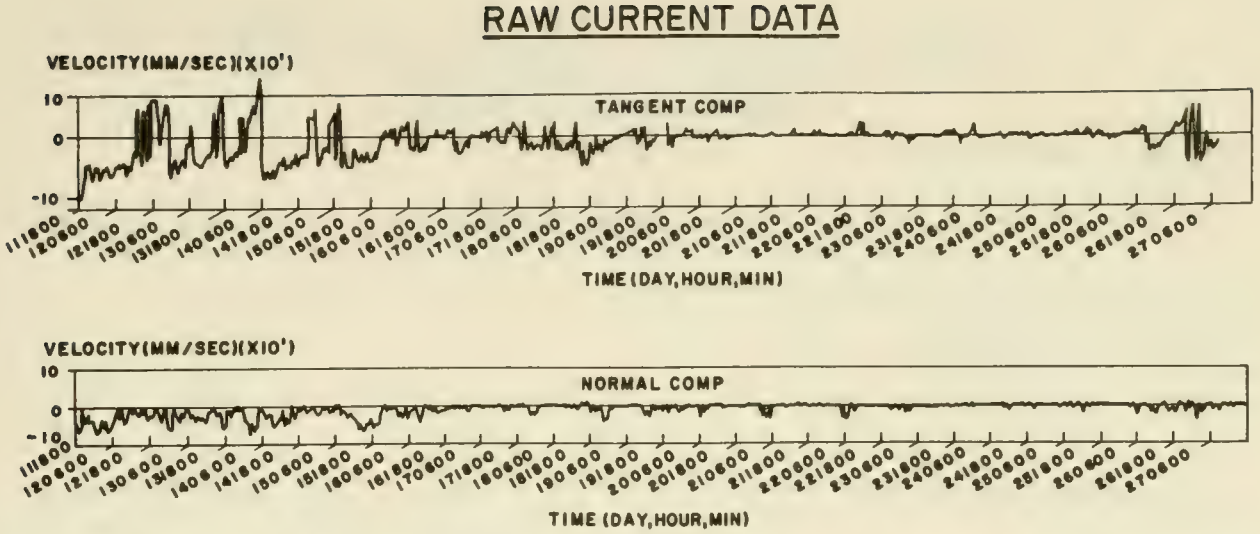

FIGURE 8a. Data obtained from EG&G Model 850 current meter, No. 253. Depth of current meter was 794 meters below the surface in position 44°42.7′N, 48°54.9′W. Raw current data.

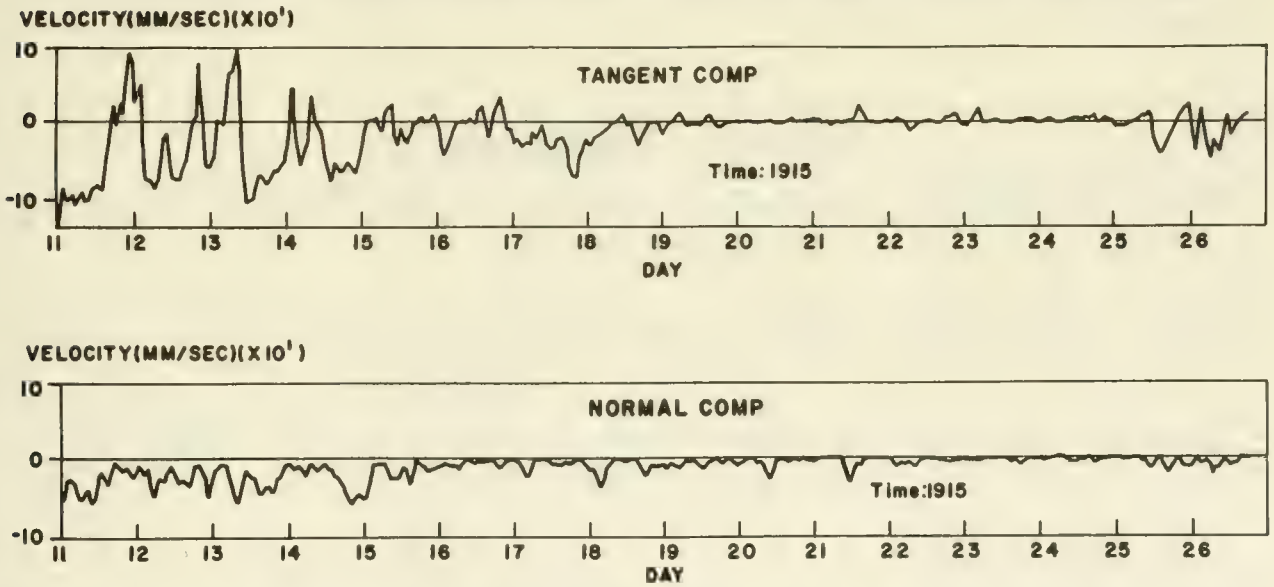

FIGURE 8b. Data obtained from EG&G Model 850 current meter, No. 253. Depth of current meter was 794 meters below the surface in position 44°42.7′N, 48°54.9′W. Current data has been smoothed to remove frequencies higher than 0.5 CPH.

SMOOTHED DATA FILTERED FOR FREQ. LOWER THAN 0.8 CPD

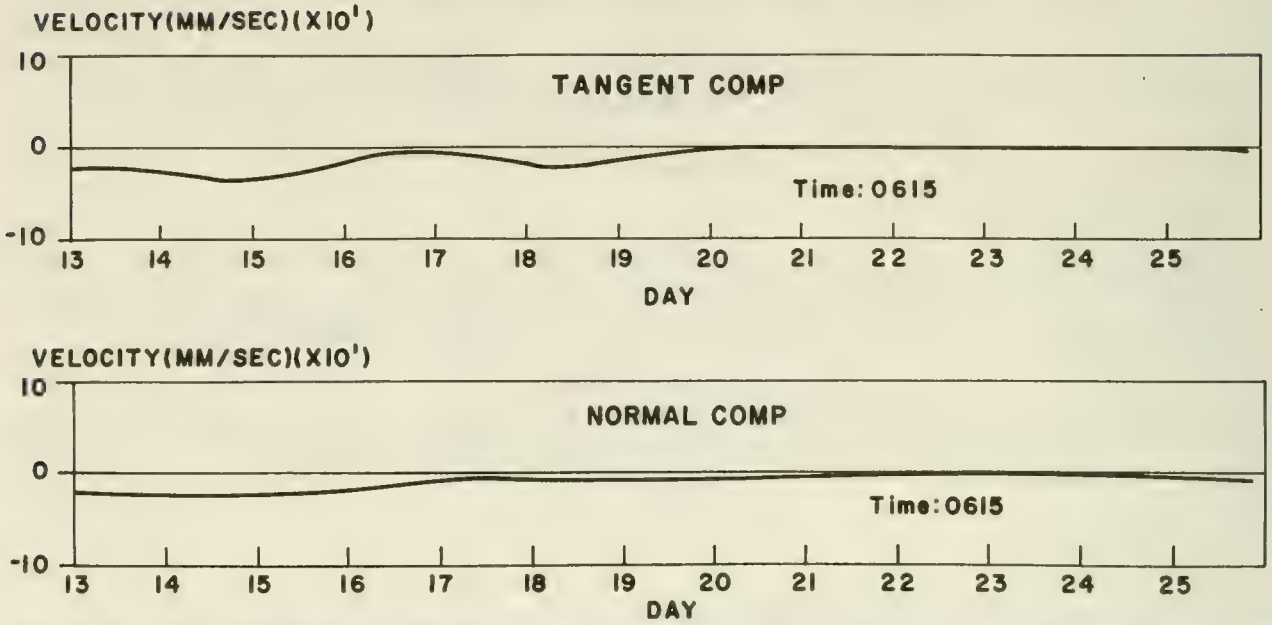

FIGURE 8c. Data obtained from EG&G Model 850 current meter, No. 253. Depth of current meter was 794 meters below the surface in position 44°42.7′N, 48°54.9′W. Current data has been filtered to obtain frequencies lower than 0.8 CPD.

PERIODIC RESIDUALS

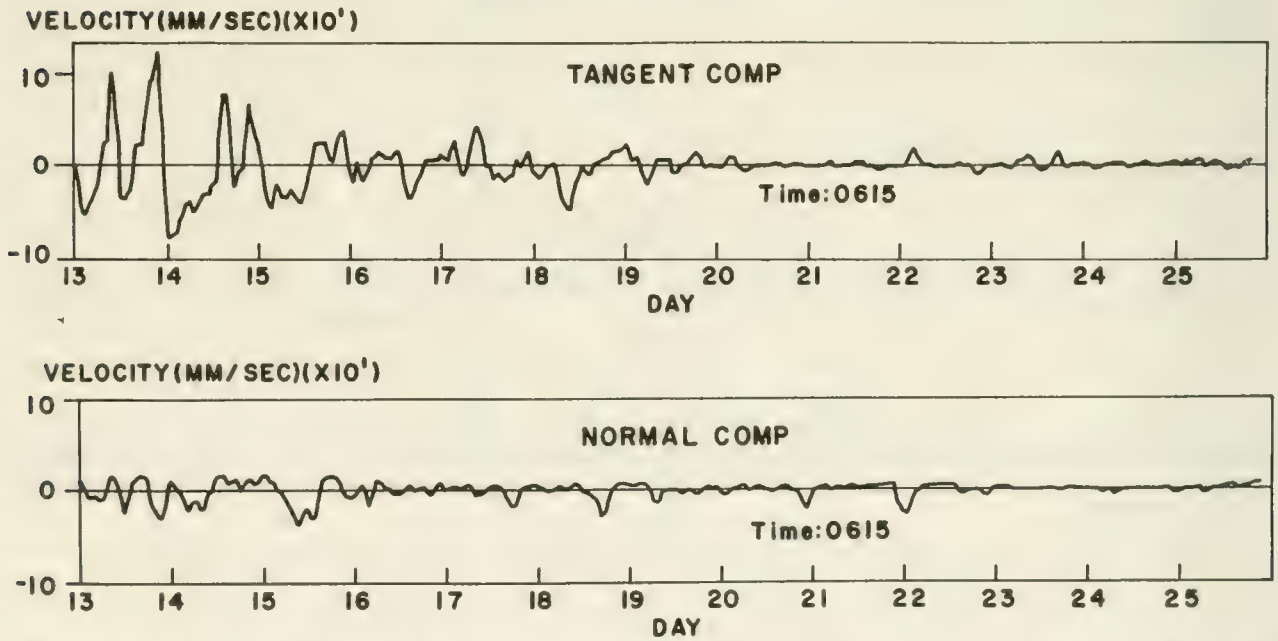

FIGURE 8d. Data obtained from EG&G Model 850 current meter, No. 253. Depth of current meter was 794 meters below the surface in position 44°42.7′N, 48°54.9′W. Periodic Residuals.

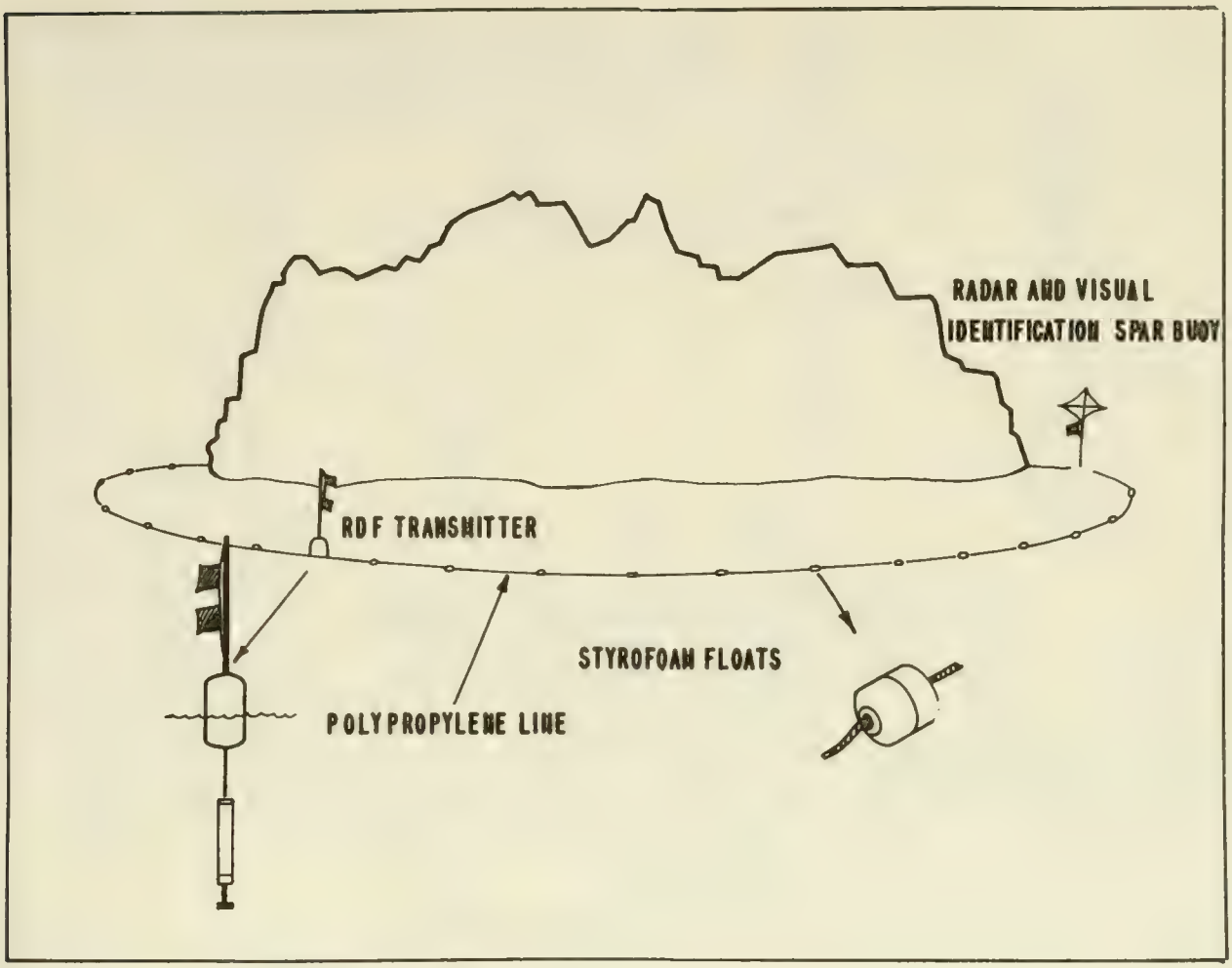

FIGURE 9. Array design employed in iceberg tagging and drift studies in April and June 1974.

ICEBERG NO.	TYPE SIZE (METERS)	NO. OF OBS.	DATE/TIME (LOCAL) OBSERVED (JUNE 1974) FROM TO	VECTOR AVERAGED DRIFT SPEED (KTS.)	VECTOR AVERAGED DRIFT DIRECTION (°T)	VECTOR AVERAGED WIND SPEED (KTS)	VECTOR AVERAGED WIND DIRECTION MINUS 180° (°T)	*AVERAGE ANGLE OF THE DRIFT TO THE RIGHT OF THE WIND(°)	RATIO OF THE AVERAGE DRIFT SPEED TO THE AVERAGE WIND SPEED
				x	x	x	x	x s.d.	x s.d.
1	MEDIUM PINNACLE 24X122	7	20/0911 23/1007	0.2	020	13.9	035	-021 ±085	.018 ± .008
2	LARGE PINNACLE 37X137	7	20/0935 28/0348	0.4	156	11.2	041	092 ±081	.041 ±.033
3	**MEDIUM DRYDOCK 46X101	8	24/1342 28/2300	0.9	198	12.1	134	080 ±048	.071 ±.031
4	SMALL DOMED 6X30	4	24/1807 28/0844	0.6	182	12.2	108	086 ±018	.055 ±.012
5	SMALL TABULAR 18X61	4	24/1823 28/0800	0.3	181	12.4	105	078 ±020	.078 ±.015
6	VERY LARGE DOUBLE PINNACLE 53X285	6	28/1700 29/0138	1.1	212	13.5	138	074 ±028	.085 ±.025
ALL	–	36		0.5	192	9.2	093	058 ±084	.058 ±.034

*NEGATIVE VALUES INDICATE A DRIFT ANGLE TO THE LEFT OF THE WIND
**ICEBERG NO.3 CALVED INTO TWO PIECES BETWEEN 28/0100 AND 28/0828 (LOCAL)

FIGURE 10. Iceberg drift data from IIP-2-74.

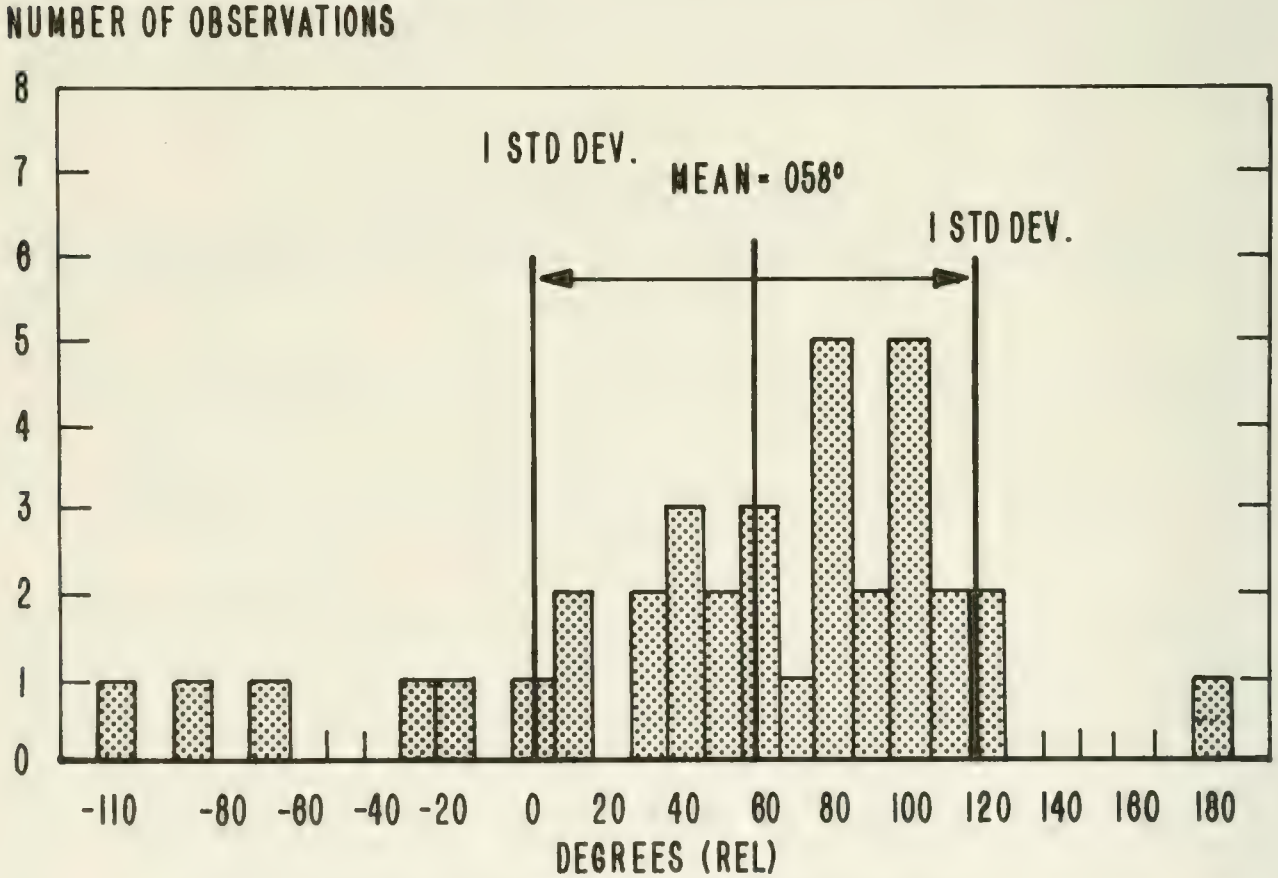

FIGURE 11. Drift angle (degrees relative to wind direction).

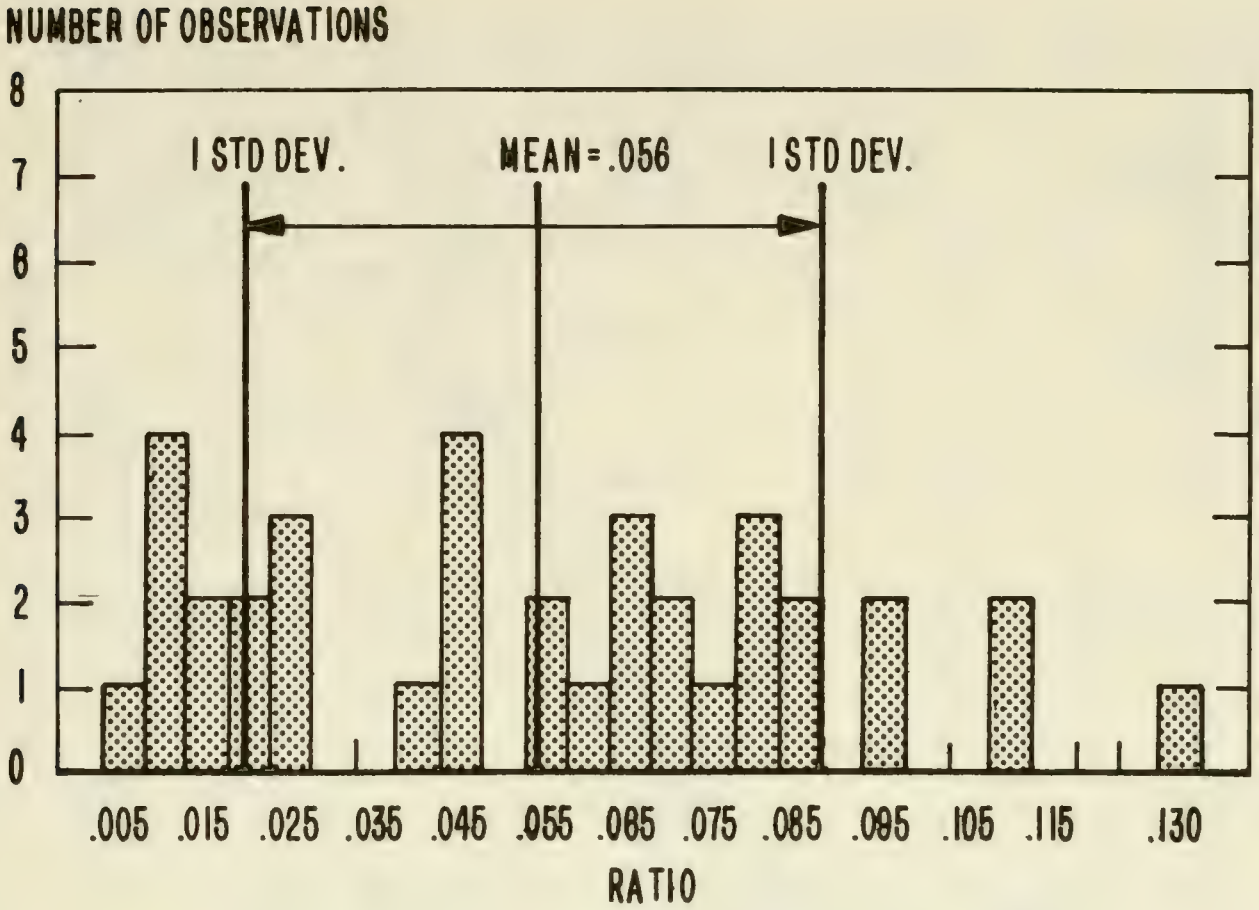

FIGURE 12. Ratio of drift speed to wind speed.

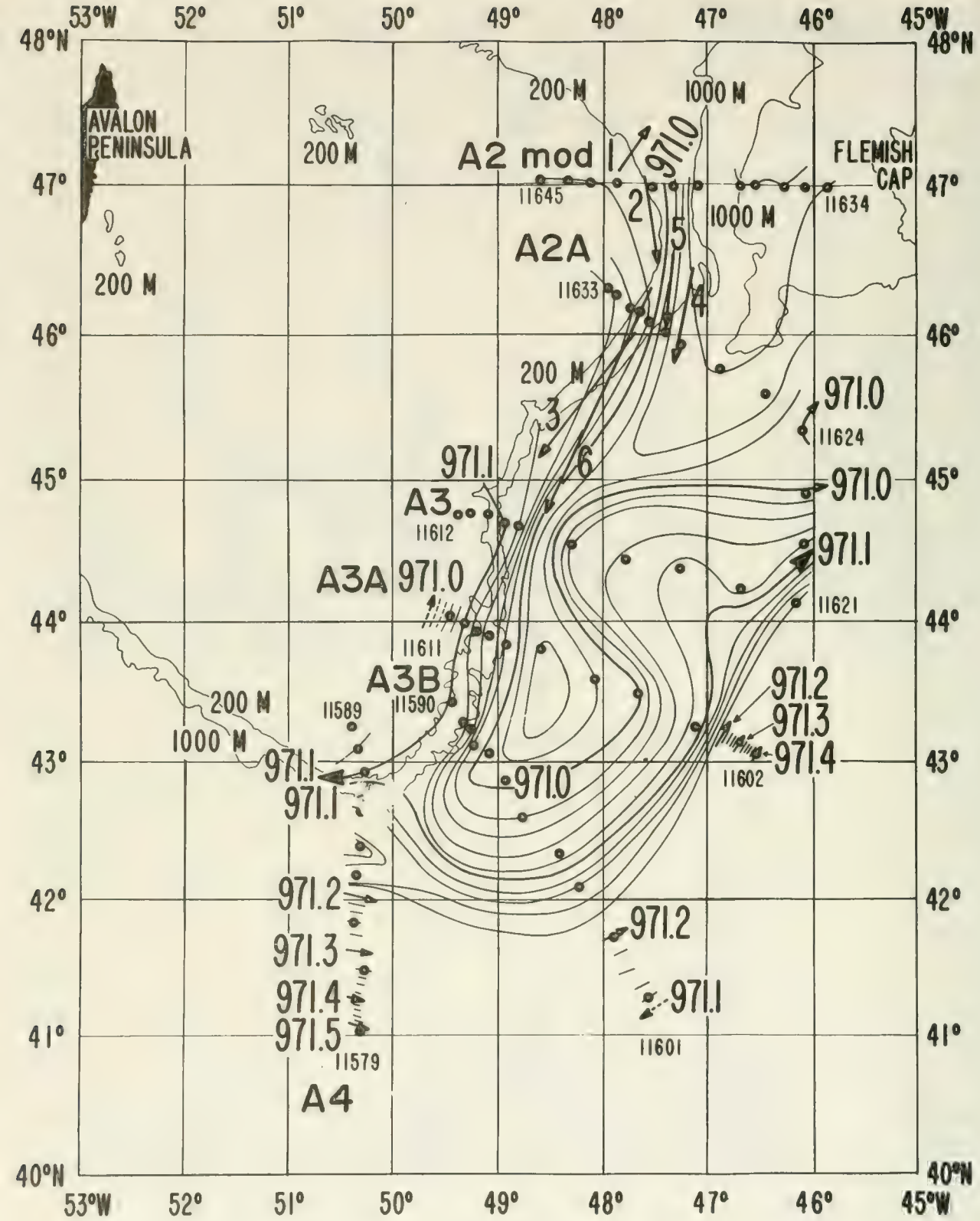

FIGURE 13. Iceberg drift from IIP-2-74.

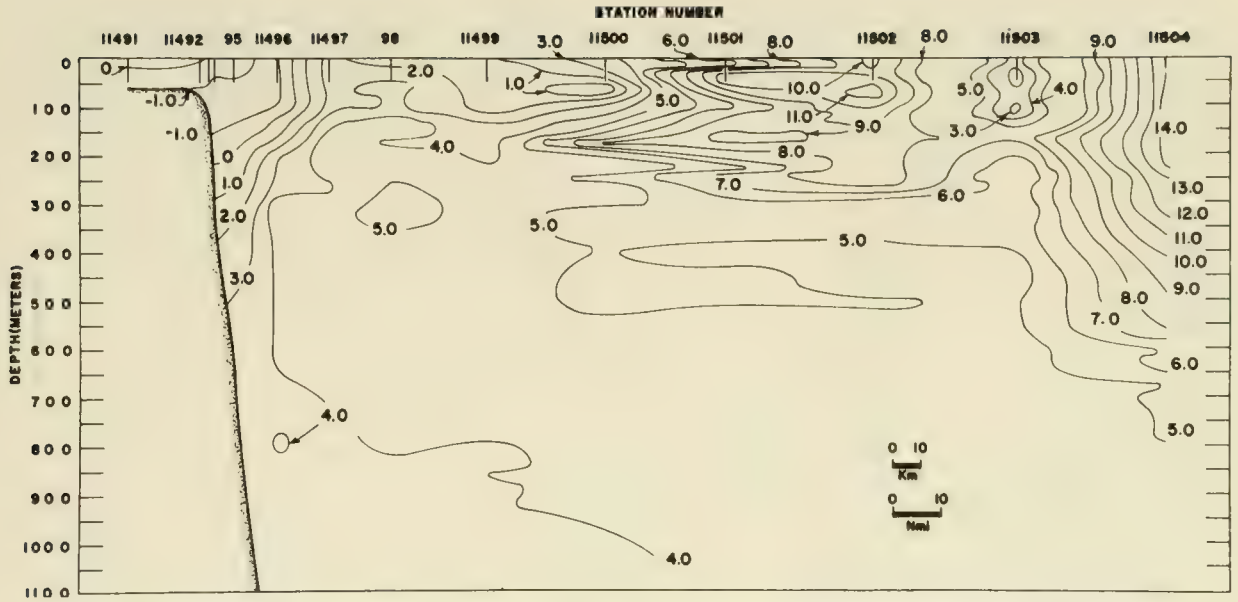

FIGURE 14. Vertical temperature (°C) section A3, occupied by CGC EVERGREEN, 8–10 April 1974.

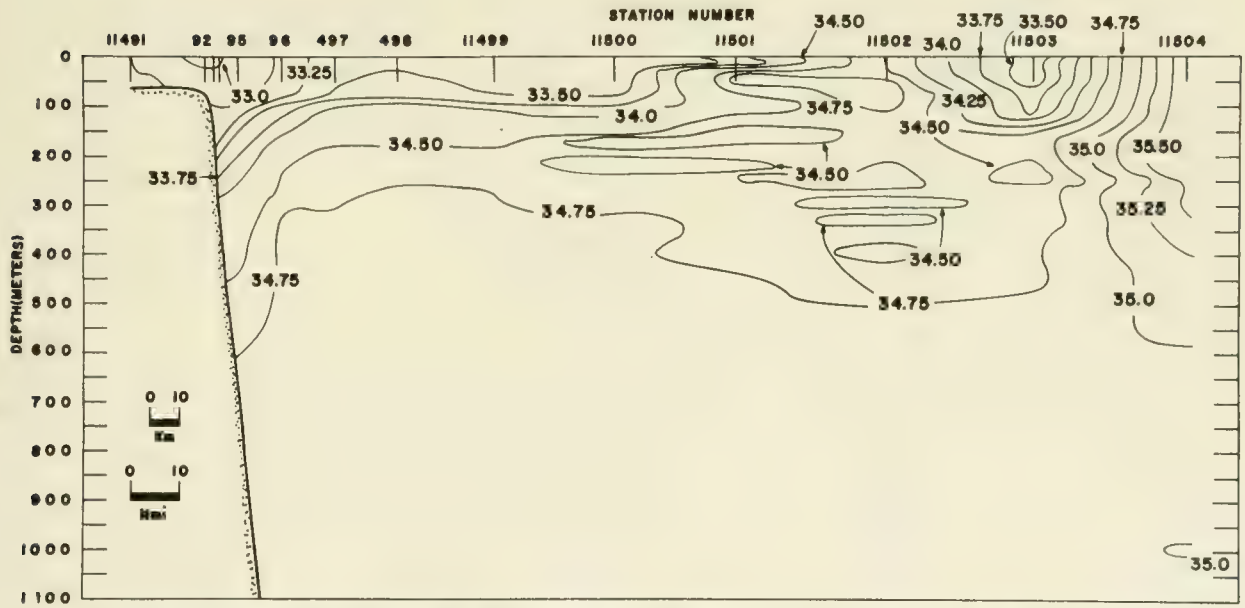

FIGURE 15. Vertical salinity (‰) section A3, occupied by CGC EVERGREEN, 8–10 April 1874.

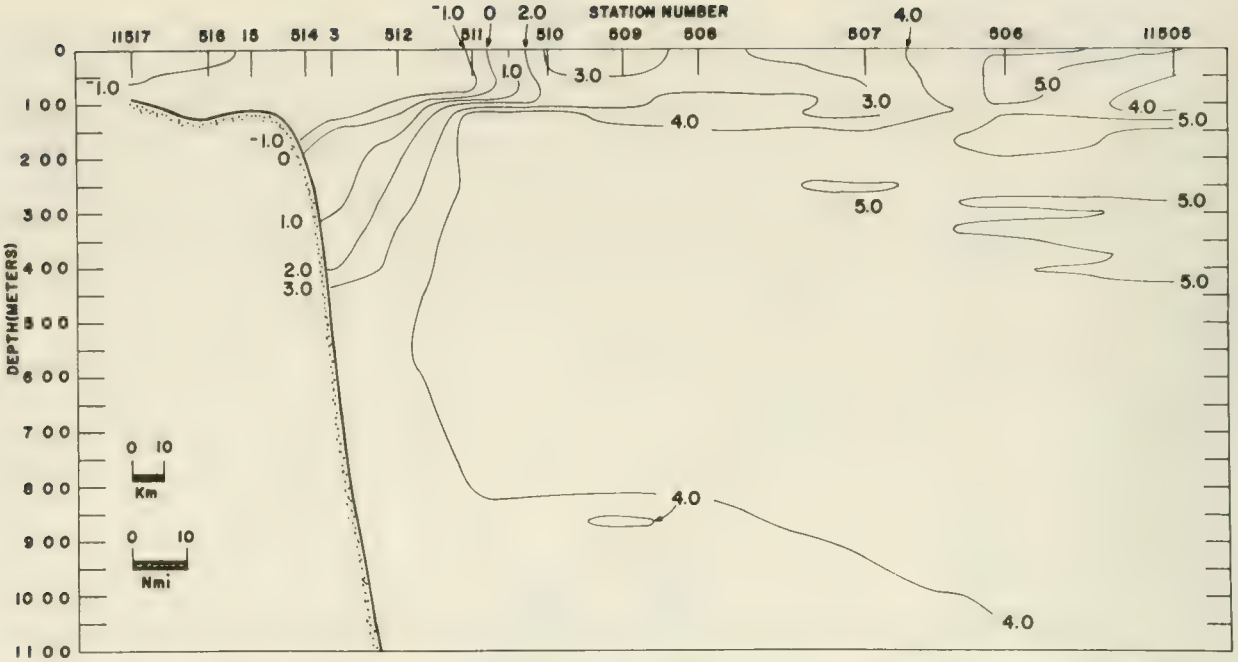

FIGURE 16. Vertical temperature (°C) section A-2B, occupied by CGC EVERGREEN, 10–12 April 1974.

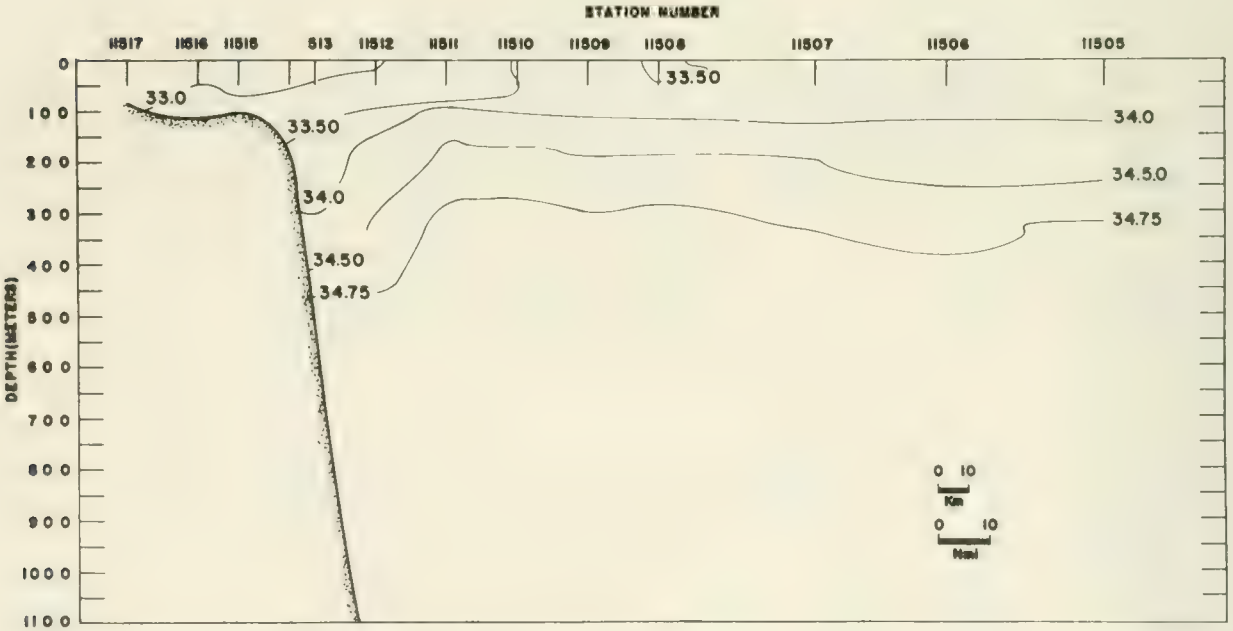

FIGURE 17. Vertical salinity (‰) section A-2B, occupied by CGC EVERGREEN, 10–12 April 1974.

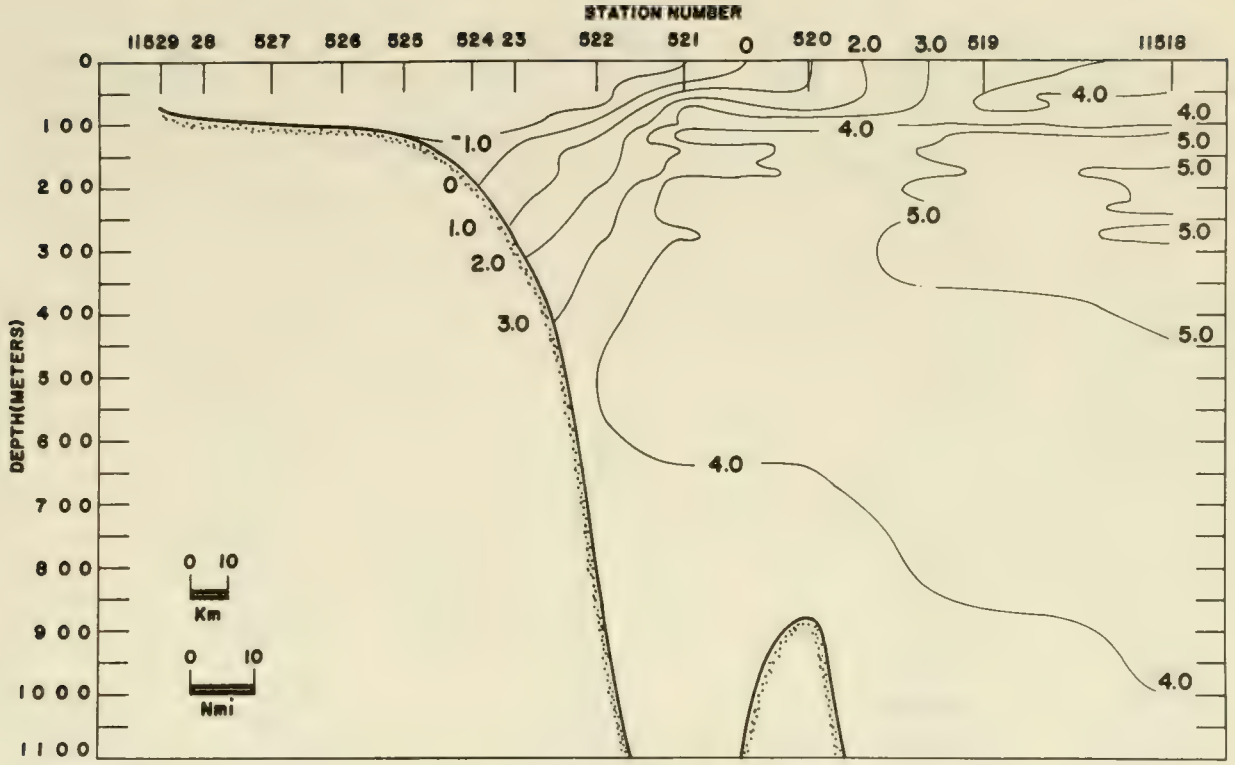

FIGURE 18. Vertical temperature (°C) section A-2A, occupied by CGC EVERGREEN, 12–14 April 1974.

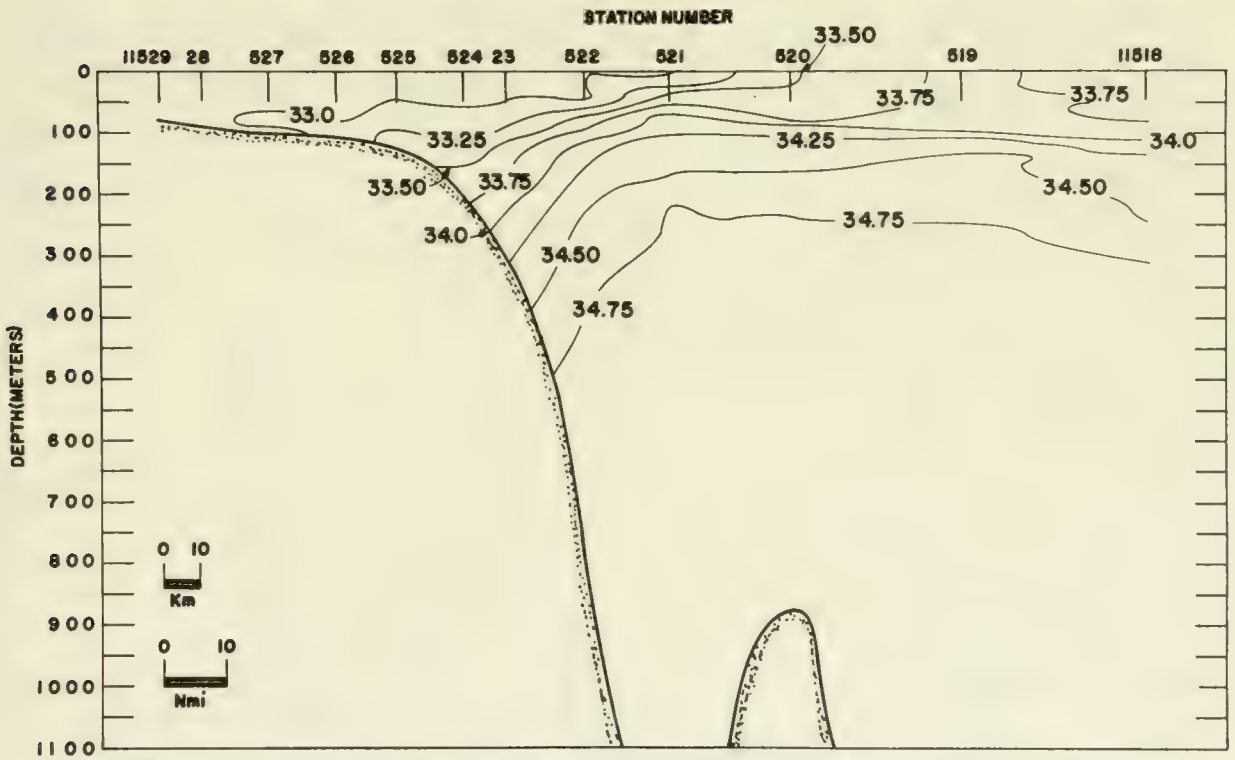

FIGURE 19. Vertical salinity (‰) section A-2A, occupied by CGC EVERGREEN, 12–14 April 1974.

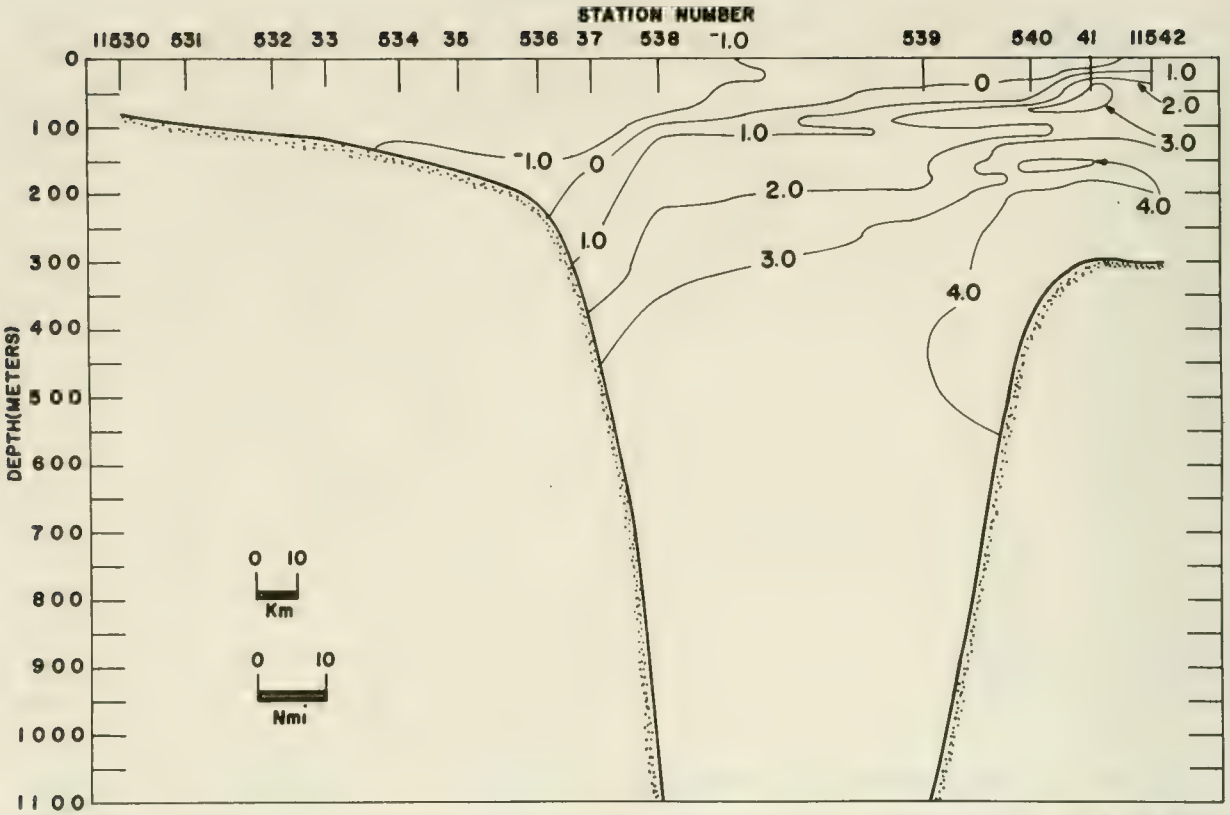

FIGURE 20. Vertical temperature (°C) section A-2 mod., occupied by CGC EVERGREEN, 14–15 April 1974.

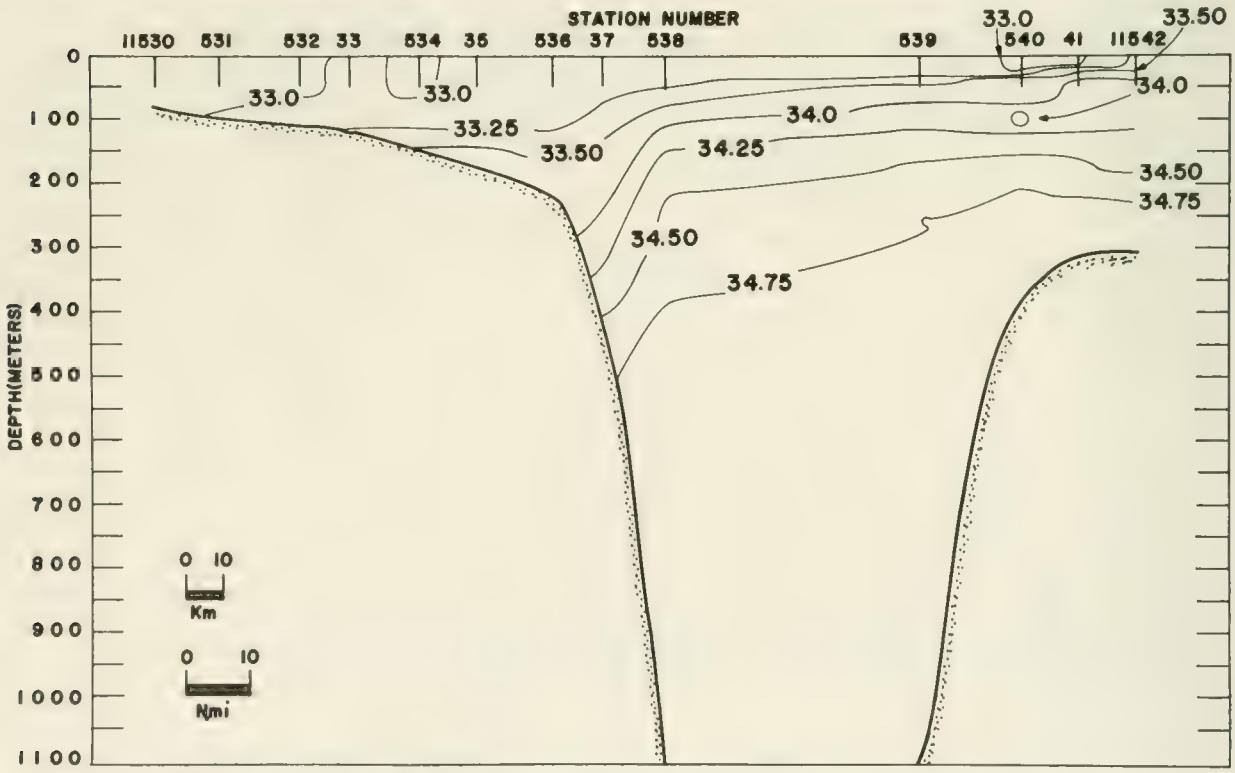

FIGURE 21. Vertical salinity (‰) section A-2 mod., occupied by CGC EVERGREEN, 14–15 April 1974.

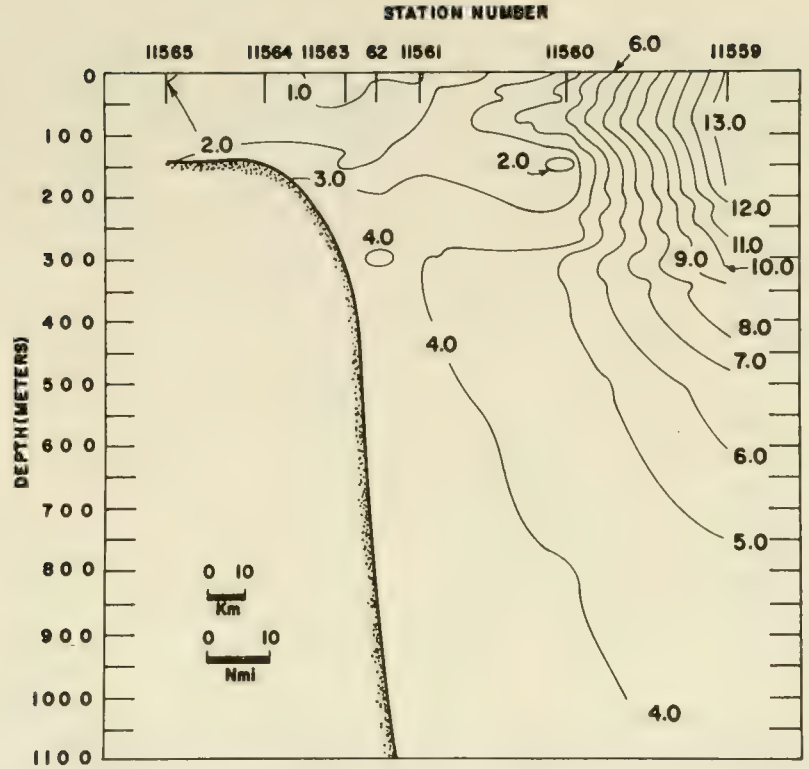

FIGURE 24. Vertical temperature (°C) section SS1, occupied by CGC EVERGREEN, 30 April 1974.

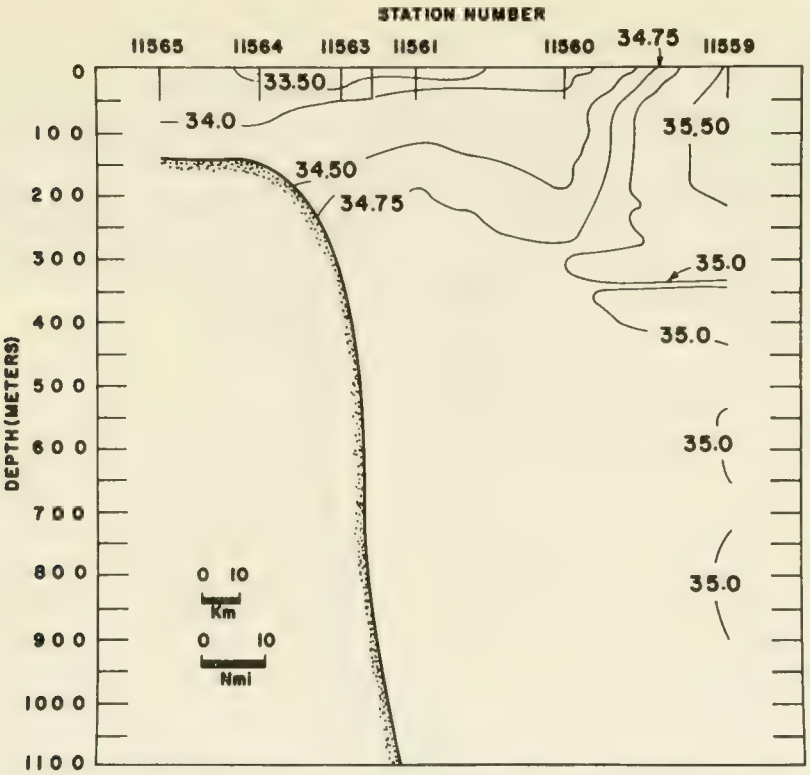

FIGURE 25. Vertical salinity (‰), section SS1, occupied by CGC EVERGREEN, 30 April 1974.

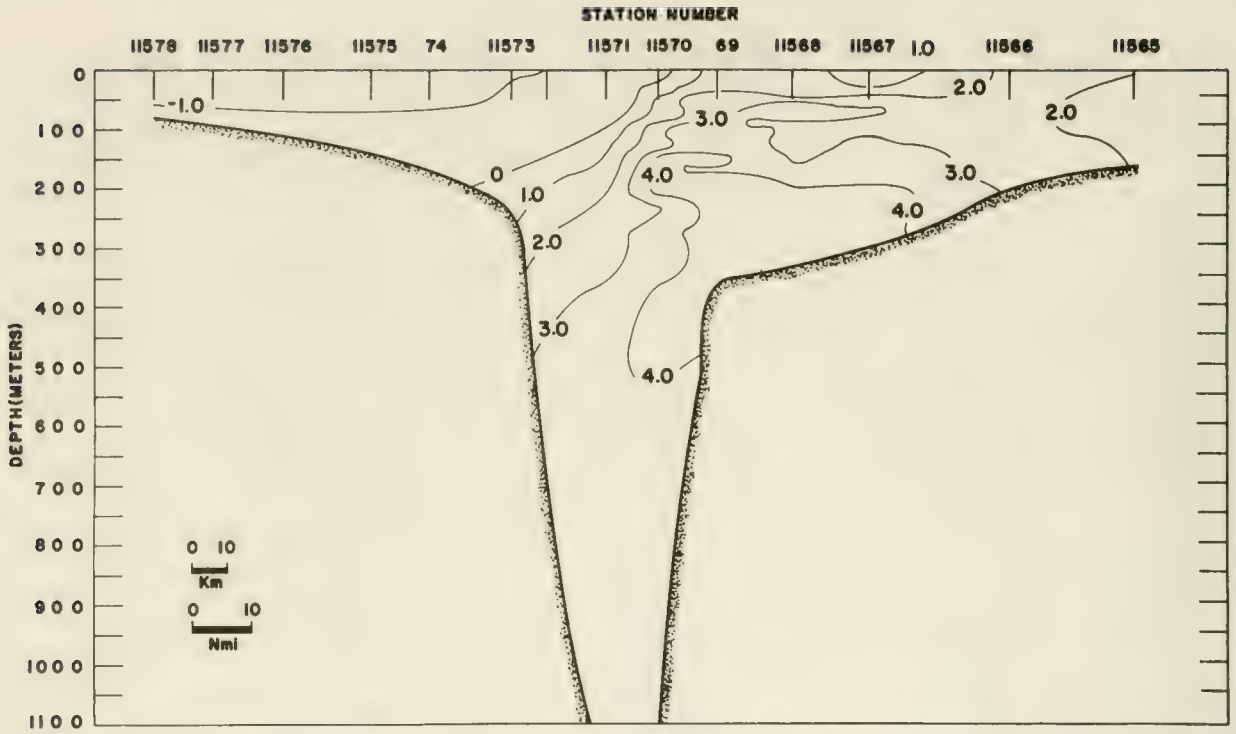

FIGURE 26. Vertical temperature (°C) section A-2 mod., occupied by CGC EVERGREEN, 30 April-2 May 1974.

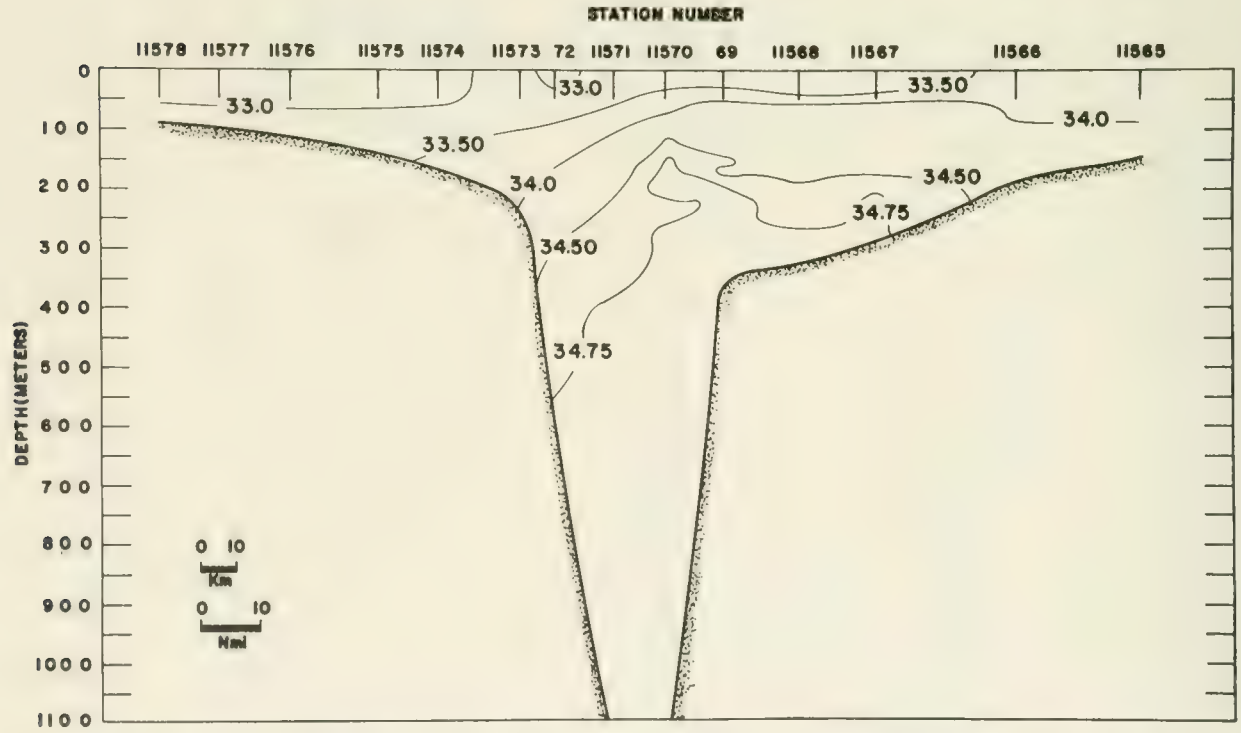

FIGURE 27. Vertical salinity (‰) section A-2 mod., occupied by CGC EVERGREEN, 30 April- 2 may 1974.

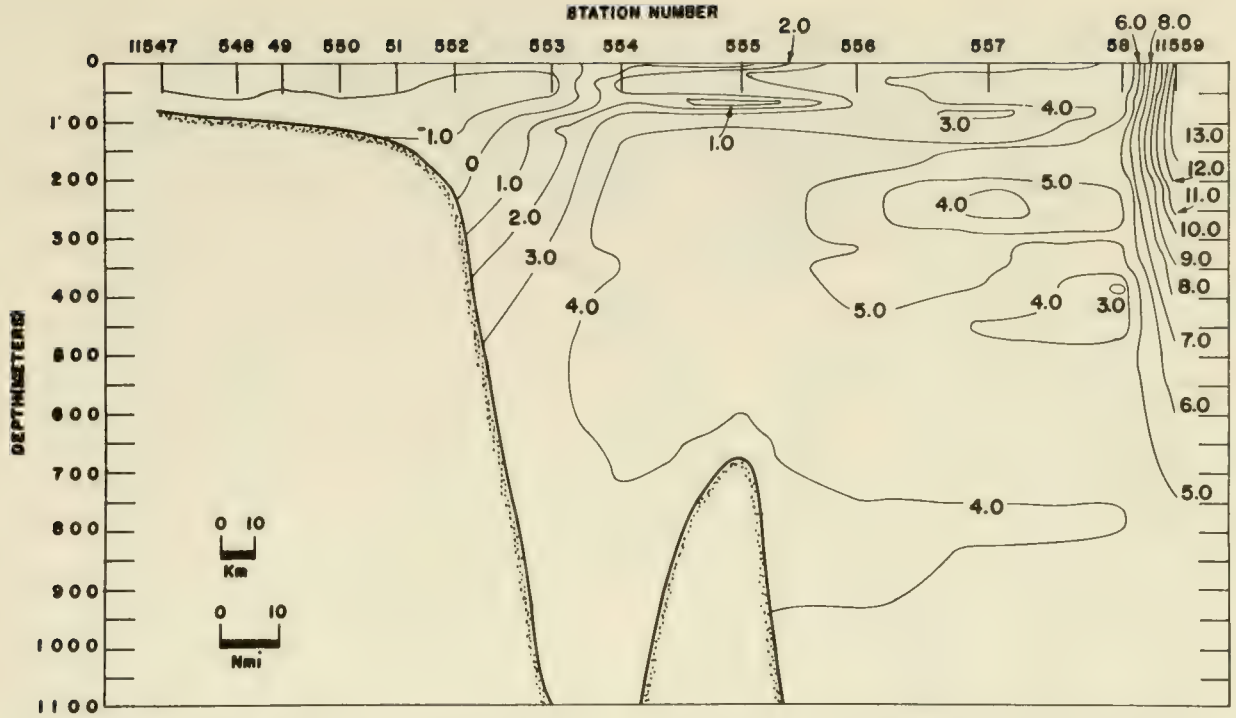

FIGURE 22. Vertical temperature (°C) section A-2A, occupied by CGC EVERGREEN, 29–30 April 1974.

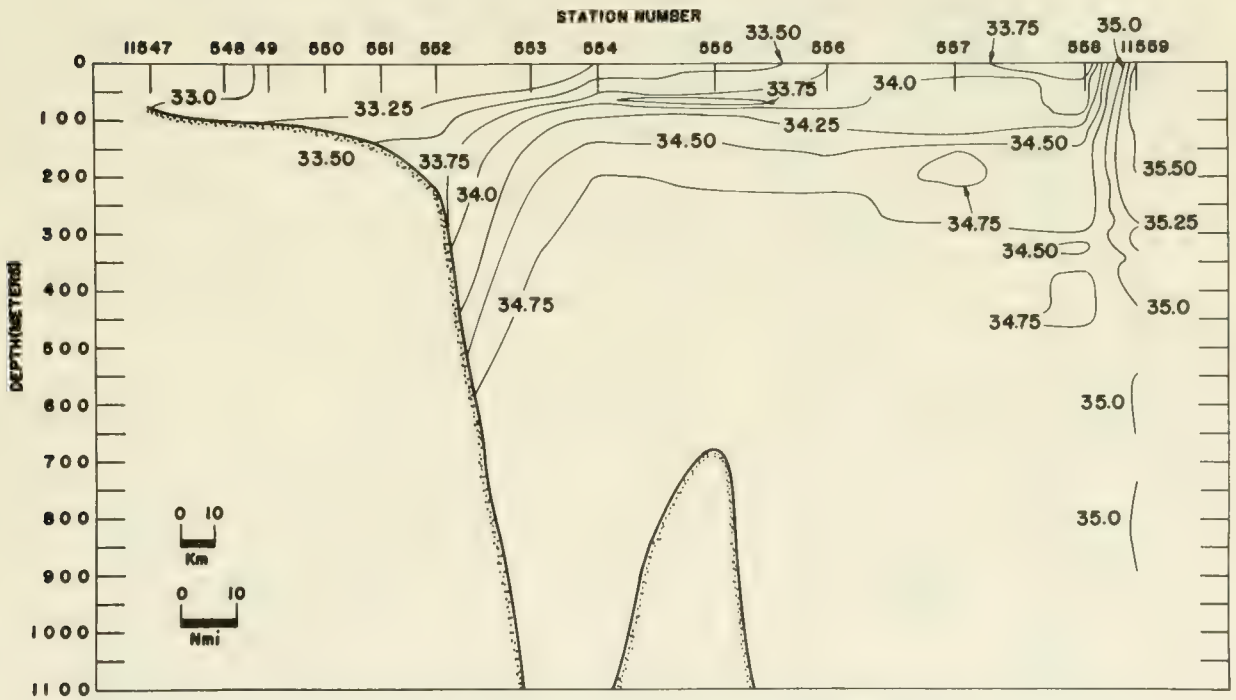

FIGURE 23. Vertical salinity (‰) section A-2A, occupied by CGC EVERGREEN, 29–30 April 1974.

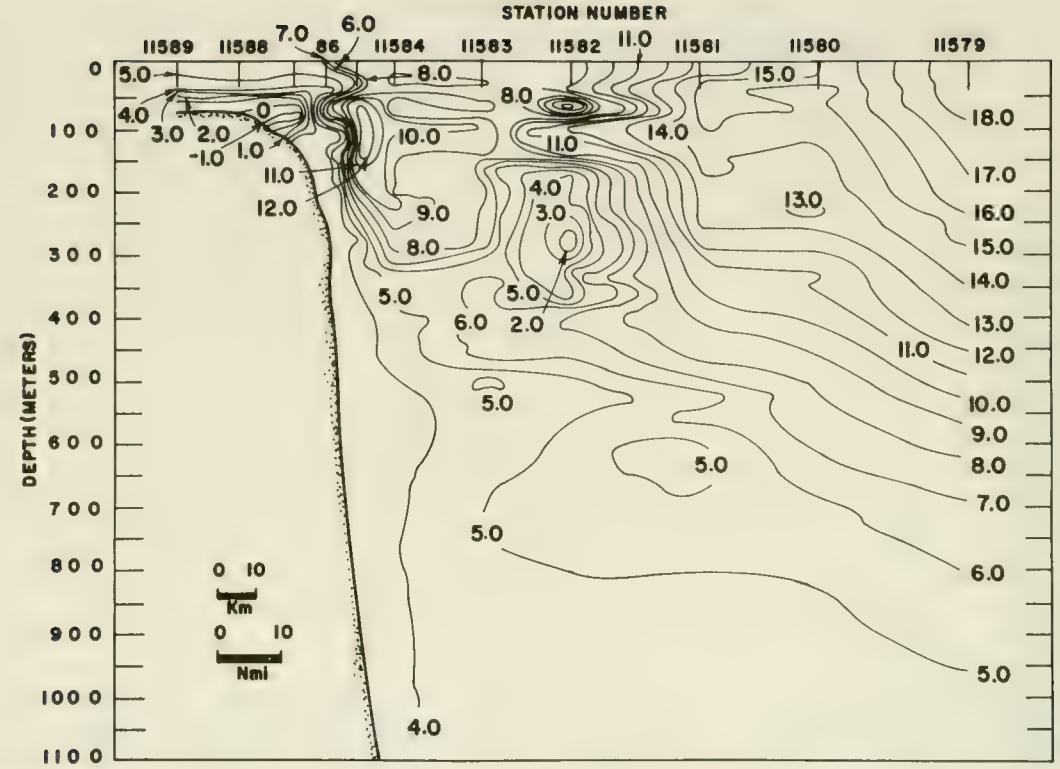

FIGURE 28. Vertical temperature (°C) section A-4, occupied by CGC EVERGREEN, 9–10 June 1974.

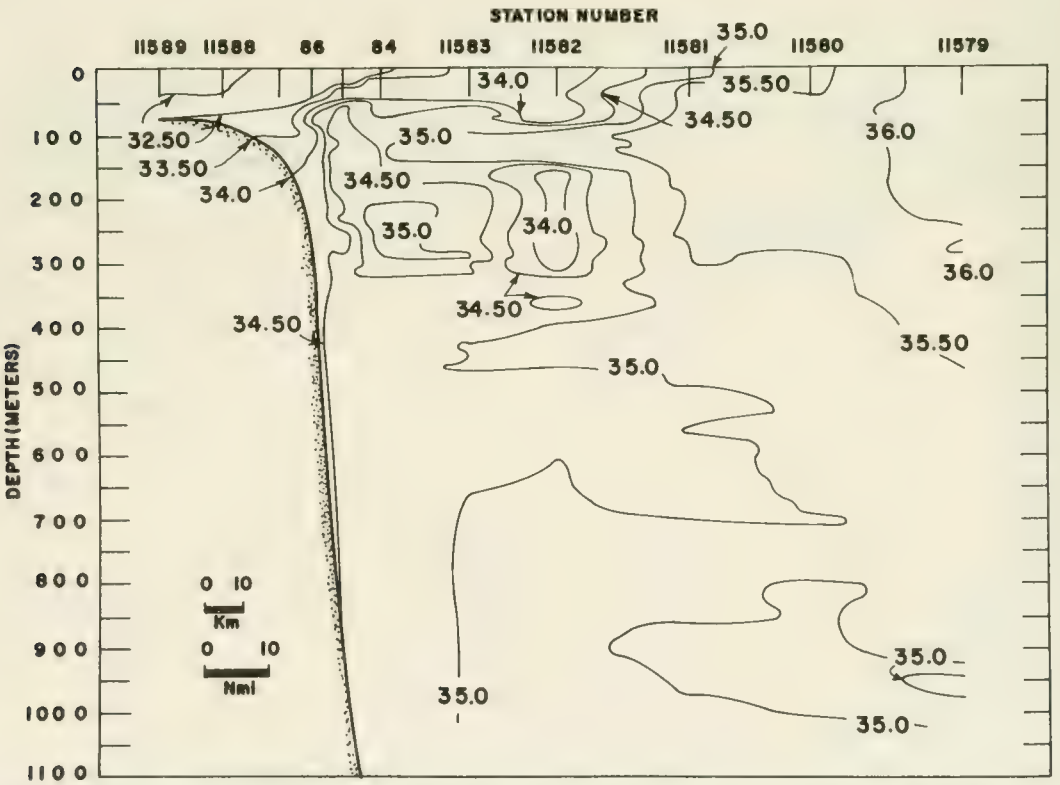

FIGURE 29. Vertical salinity (‰) section A-4, occupied by CGC EVERGREEN, 9–10 June 1974.

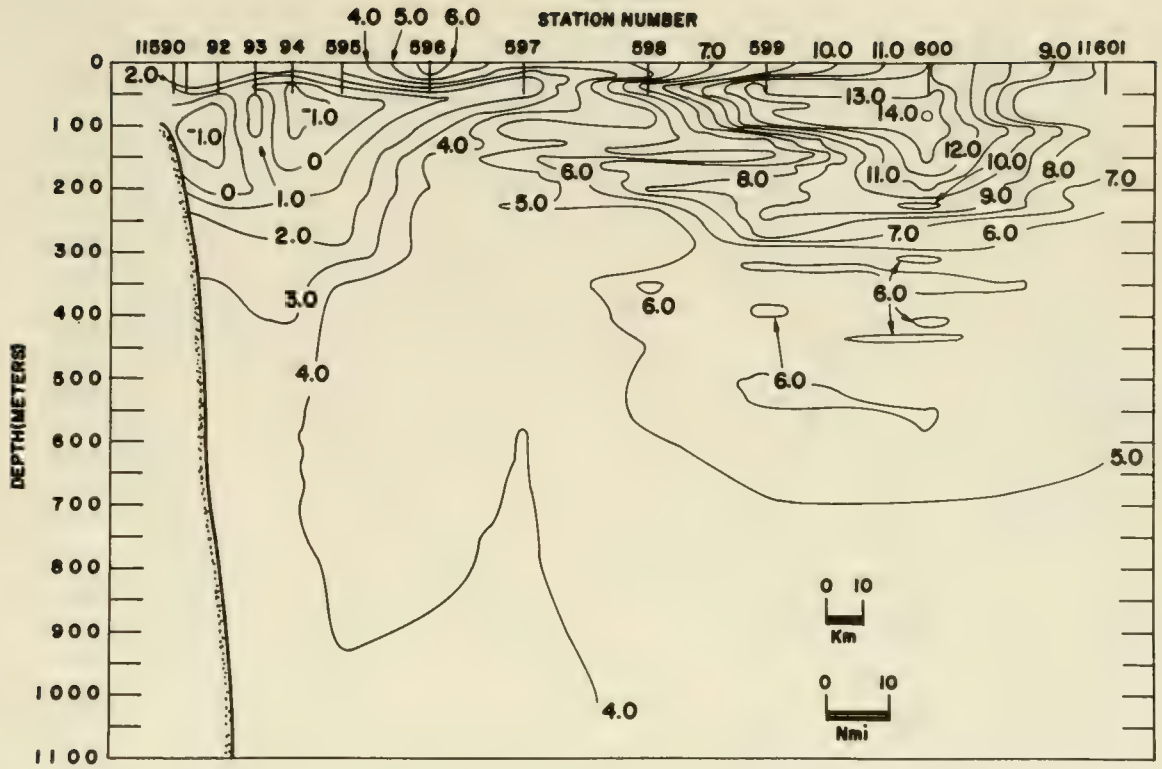

FIGURE 30. Vertical temperature (°C) section A-3B mod., occupied by CGC EVERGREEN, 10–11 June 1974.

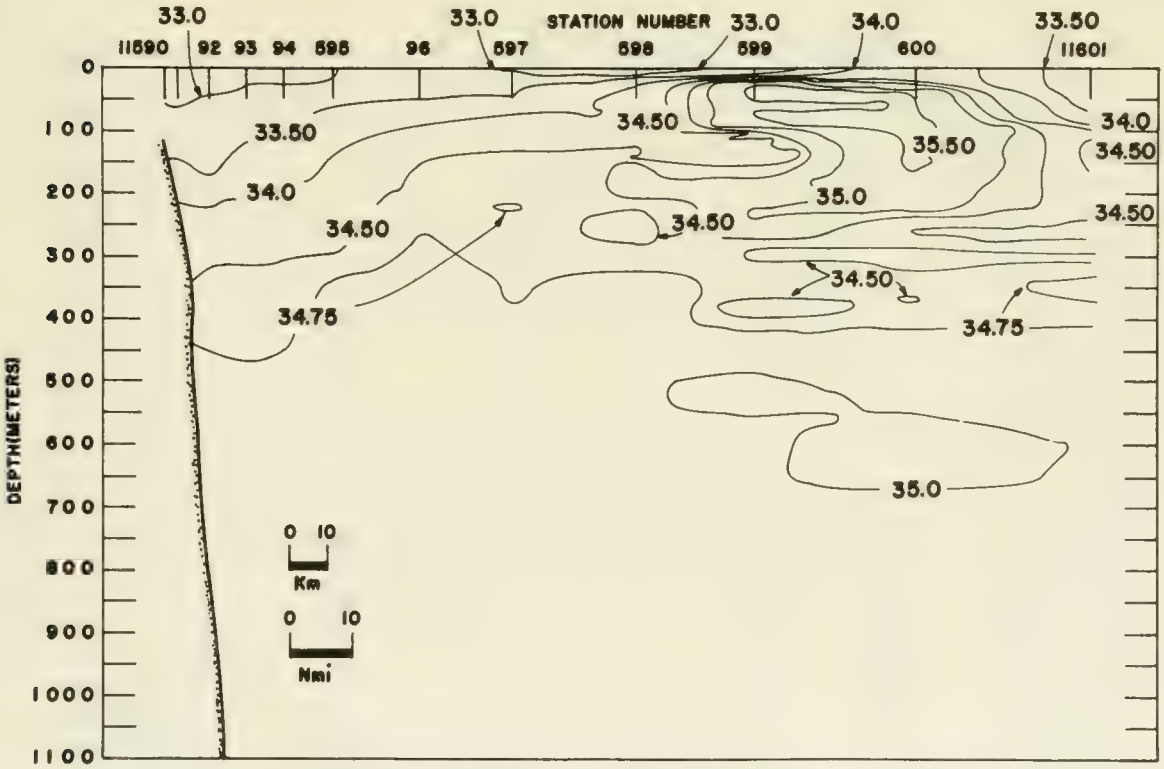

FIGURE 31. Vertical salinity (‰) section A-3B mod., occupied by CGC EVERGREEN, 10–11 June 1974.

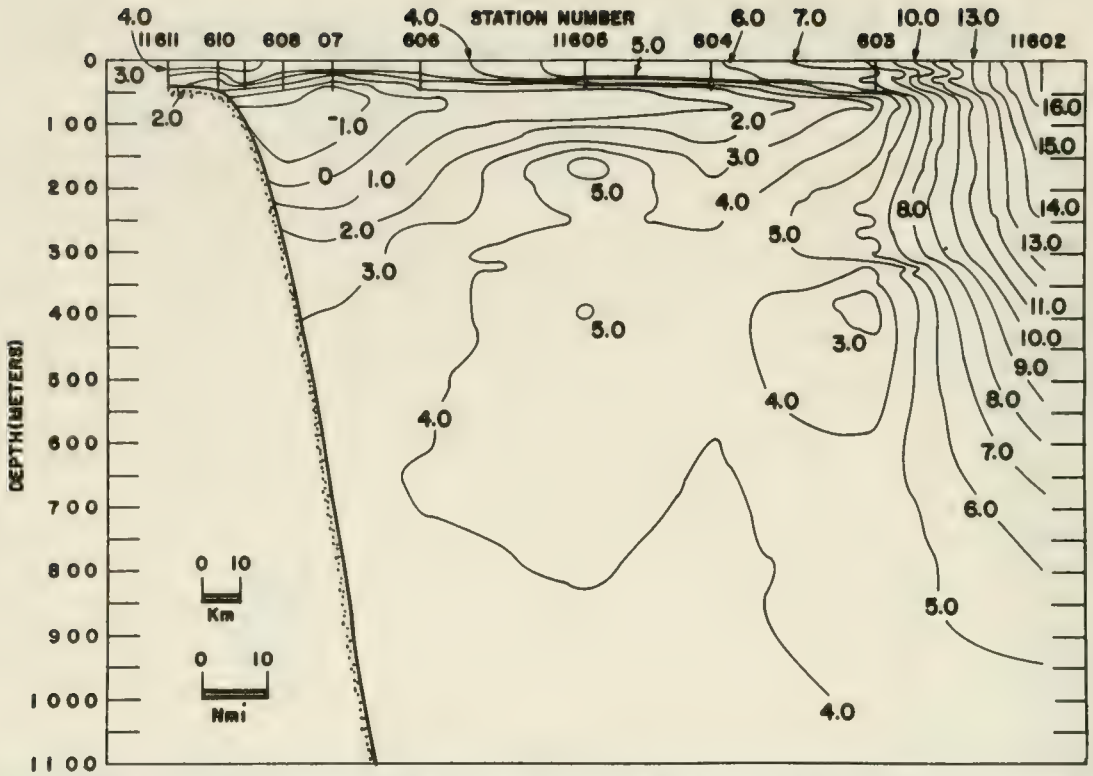

FIGURE 32. Vertical temperature (°C) section A-3A, occupied by CGC EVERGREEN, 11–12 June 1974.

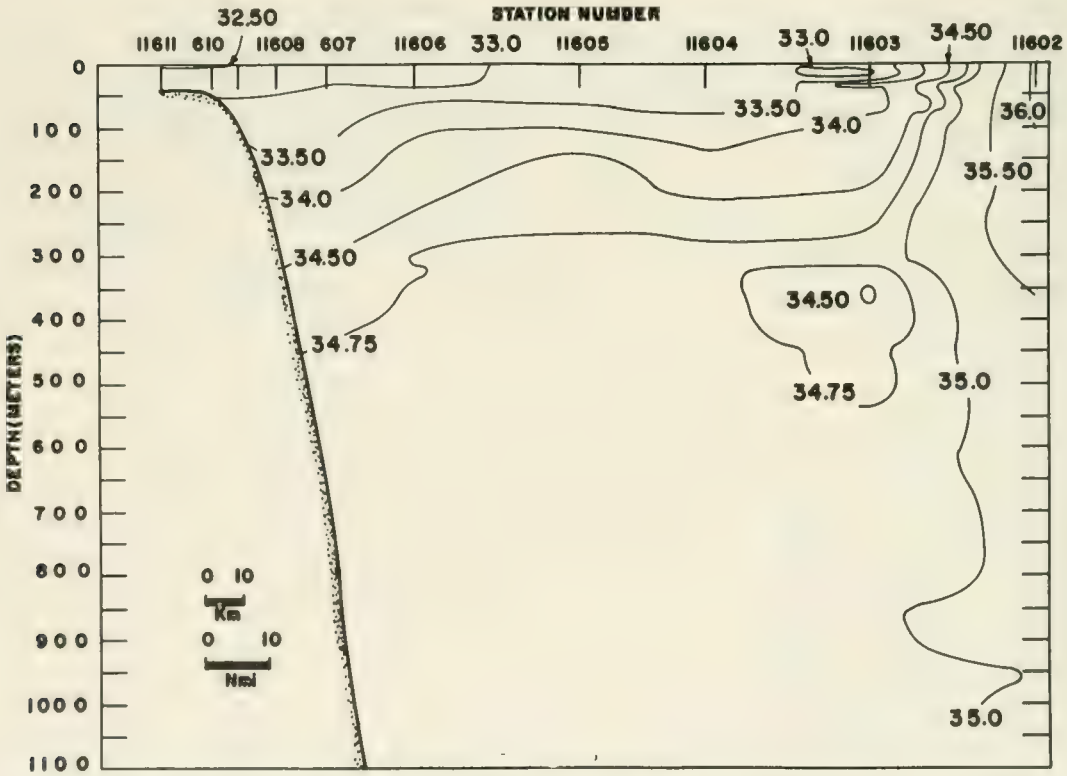

FIGURE 33. Vertical salinity (‰) section A-3A, occupied by CGC EVERGREEN, 11–12 June 1074.

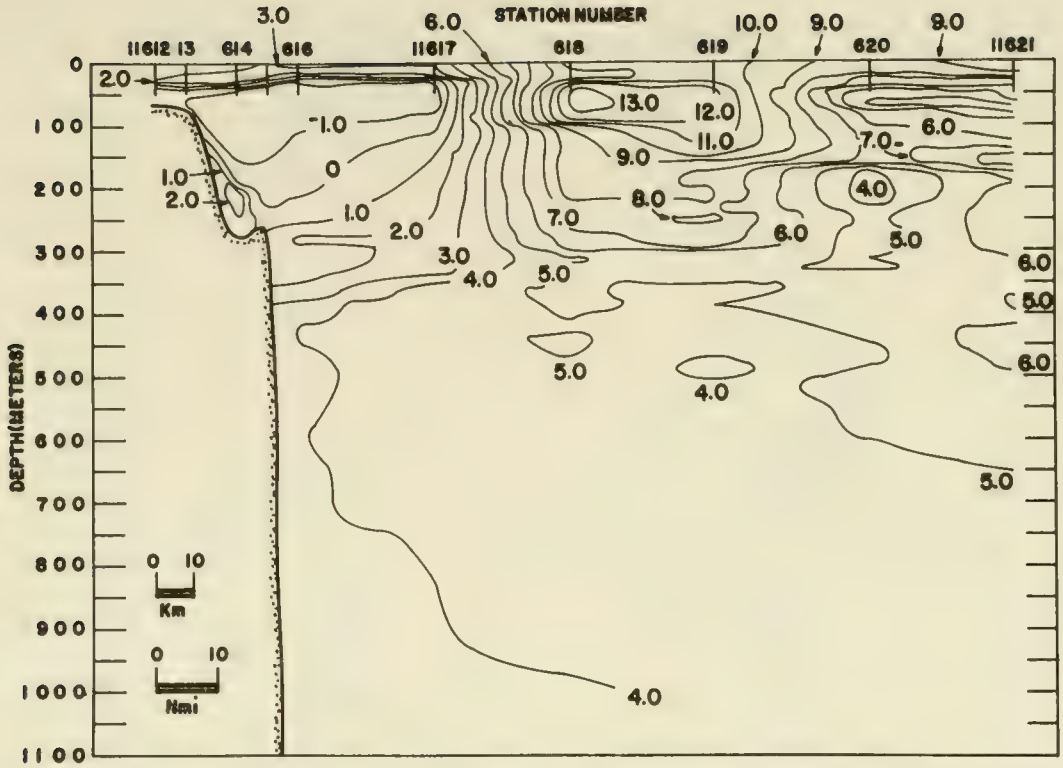

FIGURE 34. Vertical temperature (°C) section A-3, occupied by CGC EVERGREEN, 13–14 June 1974.

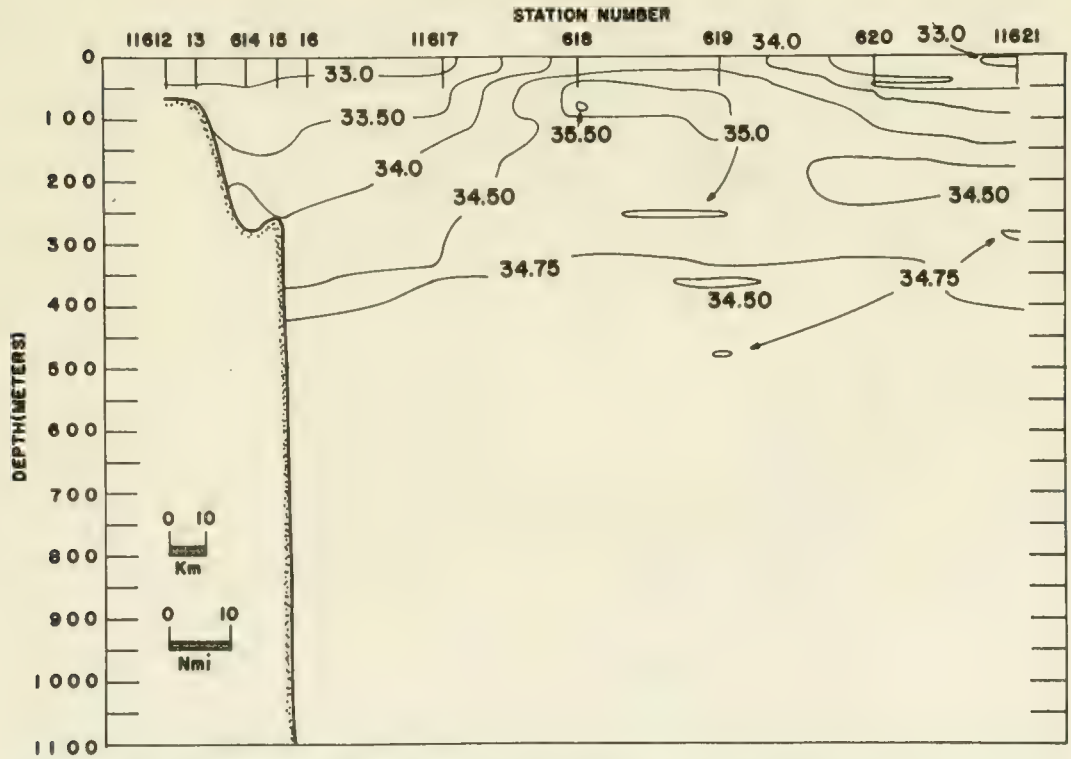

FIGURE 35. Vertical salinity (‰) section A-3, occupied by CGC EVERGREEN, 13–14 June 1974.

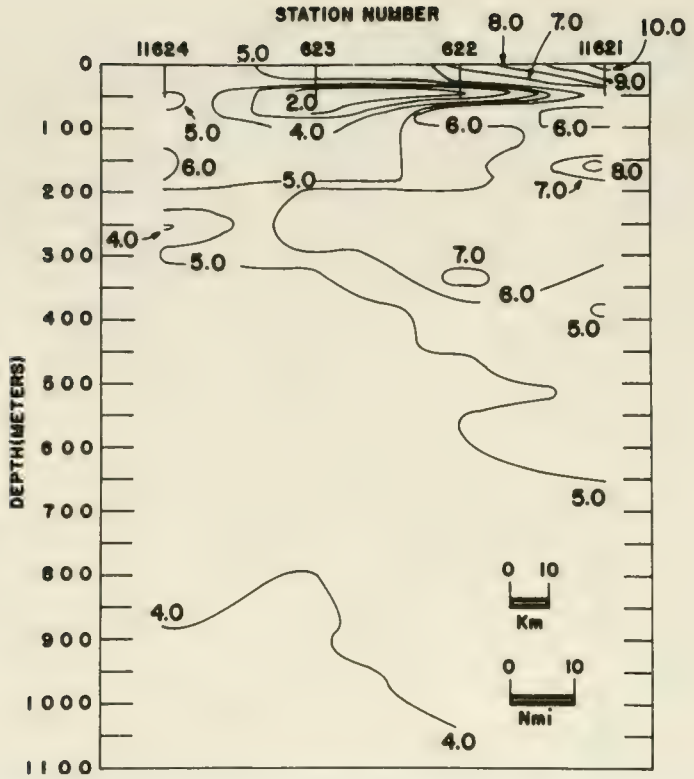

FIGURE 36. Vertical temperature (°C) section SS2, occupied by CGC EVERGREEN, 14 June 1974.

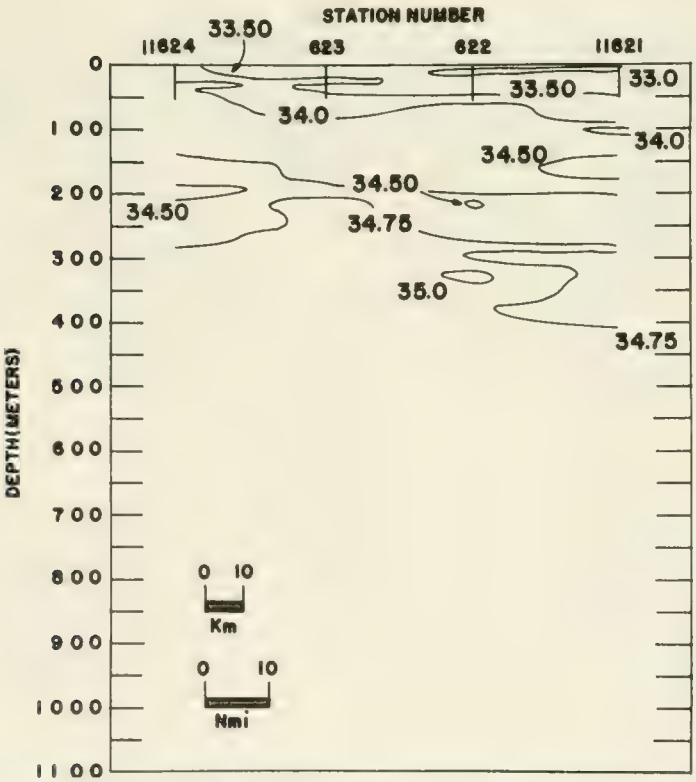

FIGURE 37. Vertical salinity (‰) section SS2, occupied by CGC EVERGREEN, 14 June 1974.

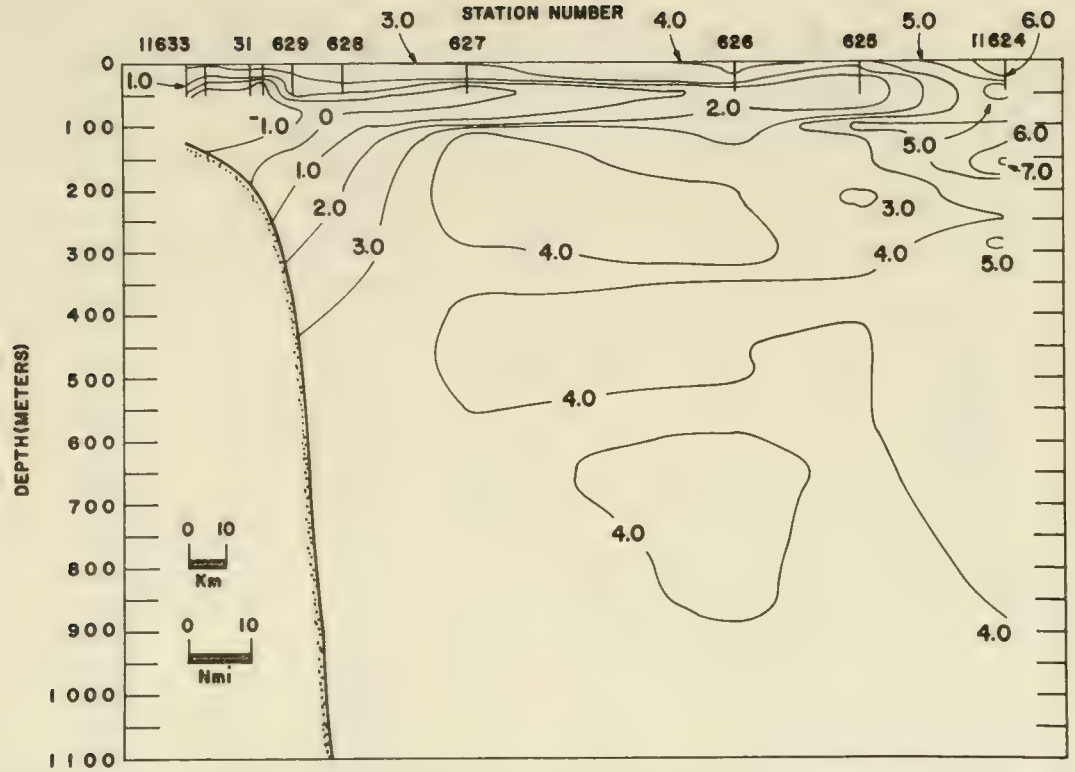

FIGURE 38. Vertical temperature (°C) section A-2A, occupied by CGC EVERGREEN, 14–15 June 1974.

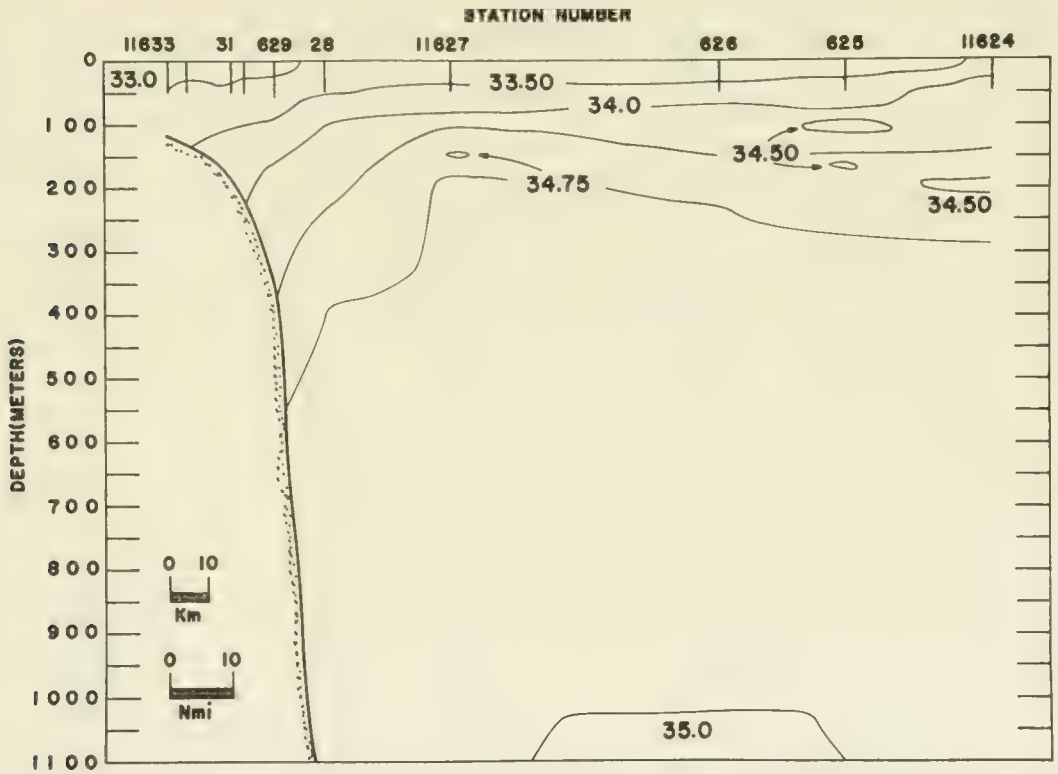

FIGURE 39. Vertical salinity (‰) section A-2A, occupied by CGC EVERGREEN, 14–15 June 1974.

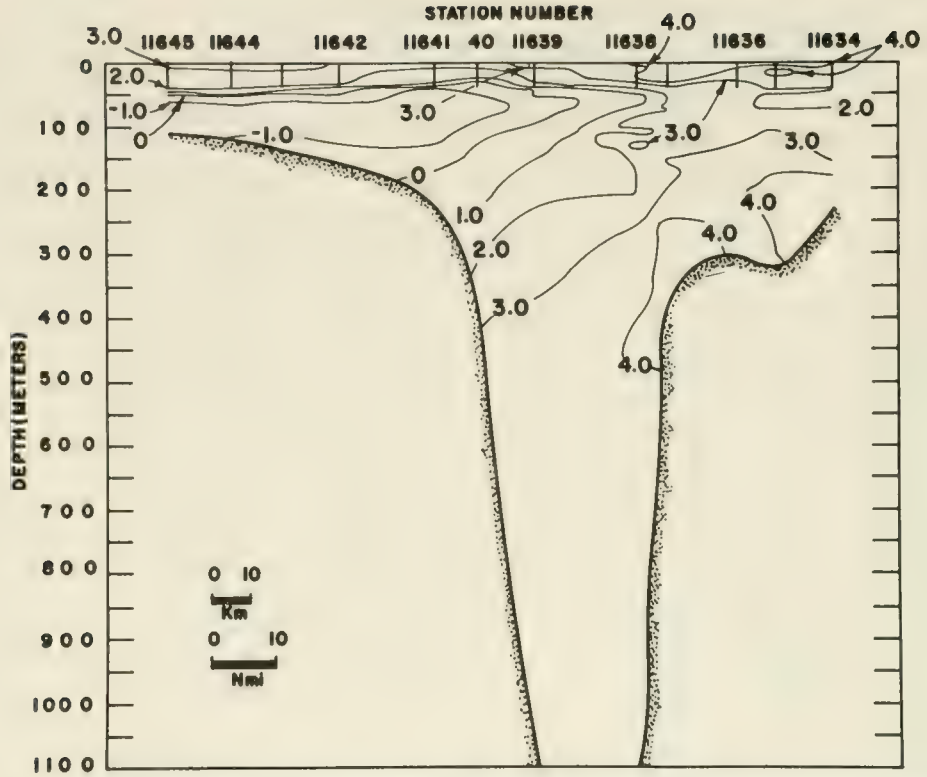

FIGURE 40. Vertical temperature (°C) section A-2 mod., occupied by CGC EVERGREEN, 15–16 June 1974.

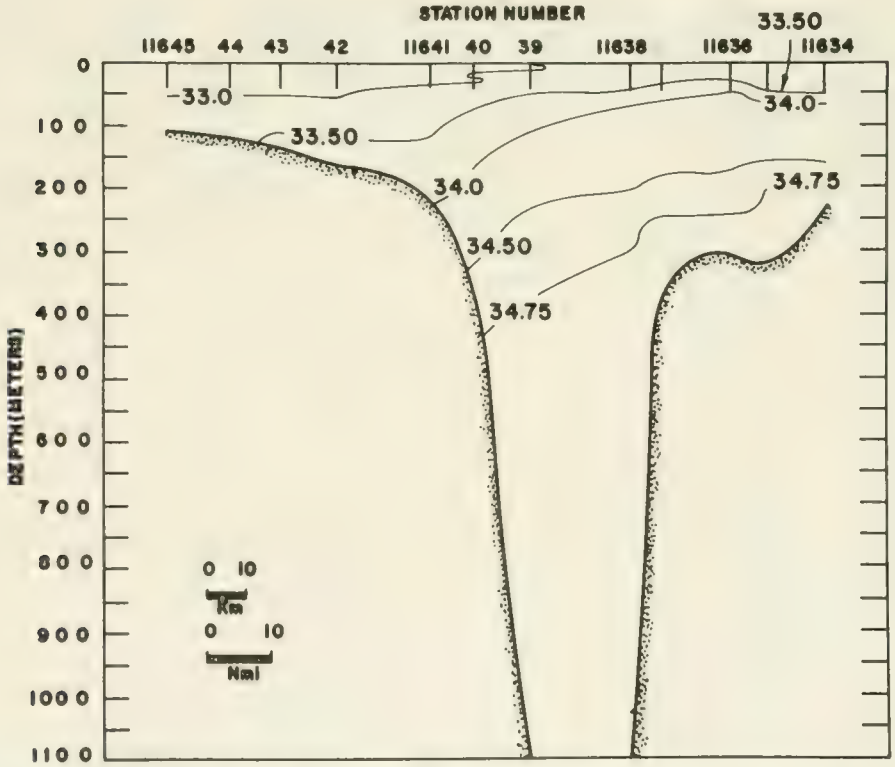

FIGURE 41. Vertical salinity (‰) section A-2 mod., occupied by CGC EVERGREEN, 15–16 June 1974.

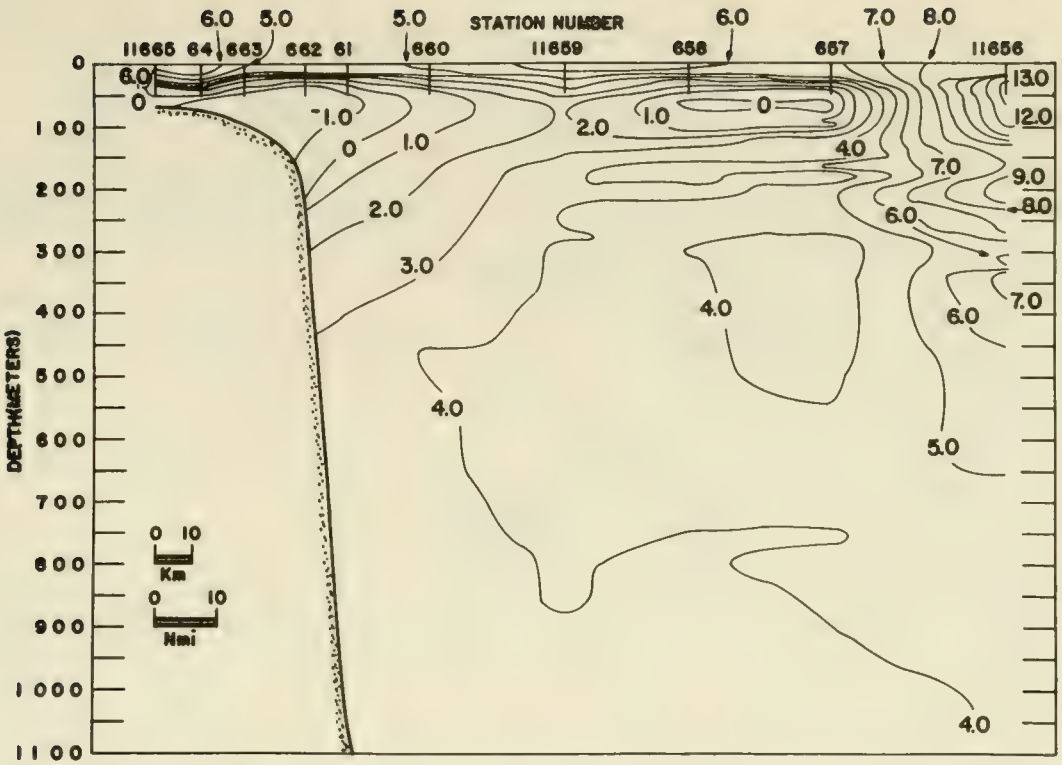

FIGURE 42. Vertical temperature (°C) section A-2B, occupied by CGC EVERGREEN, 29–30 June 1974.

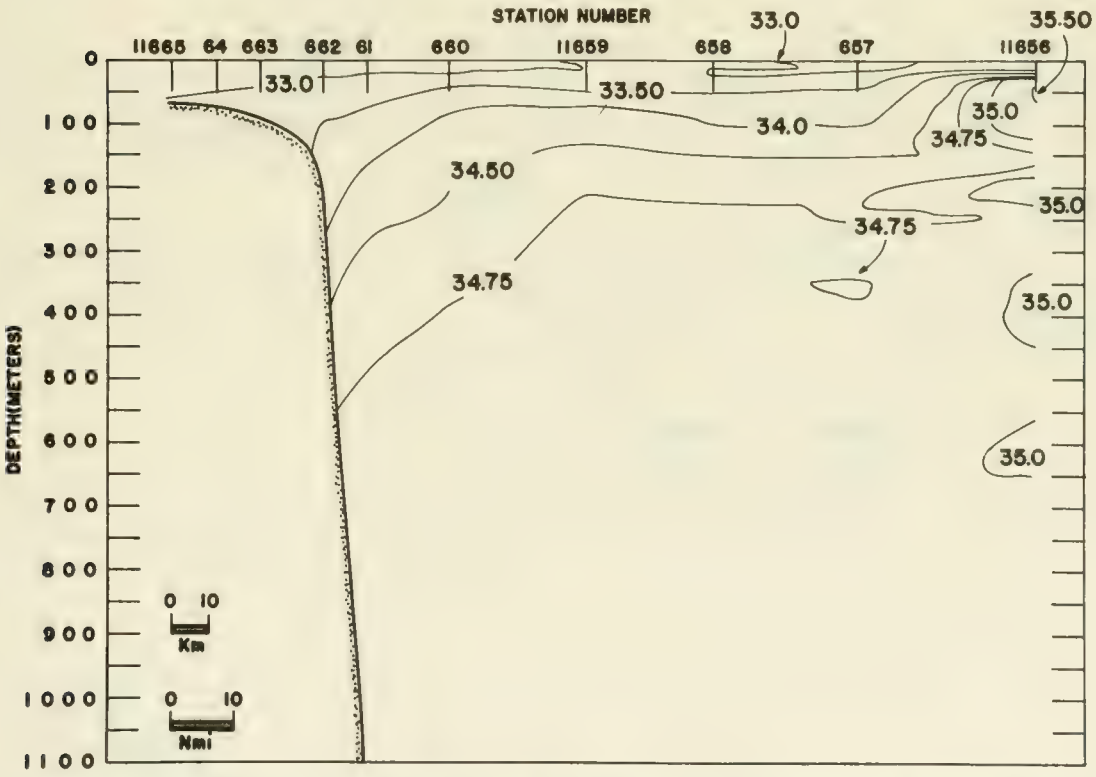

FIGURE 43. Vertical salinity (‰) section A-2B, occupied by CGC EVERGREEN, 29–30 June 1974.

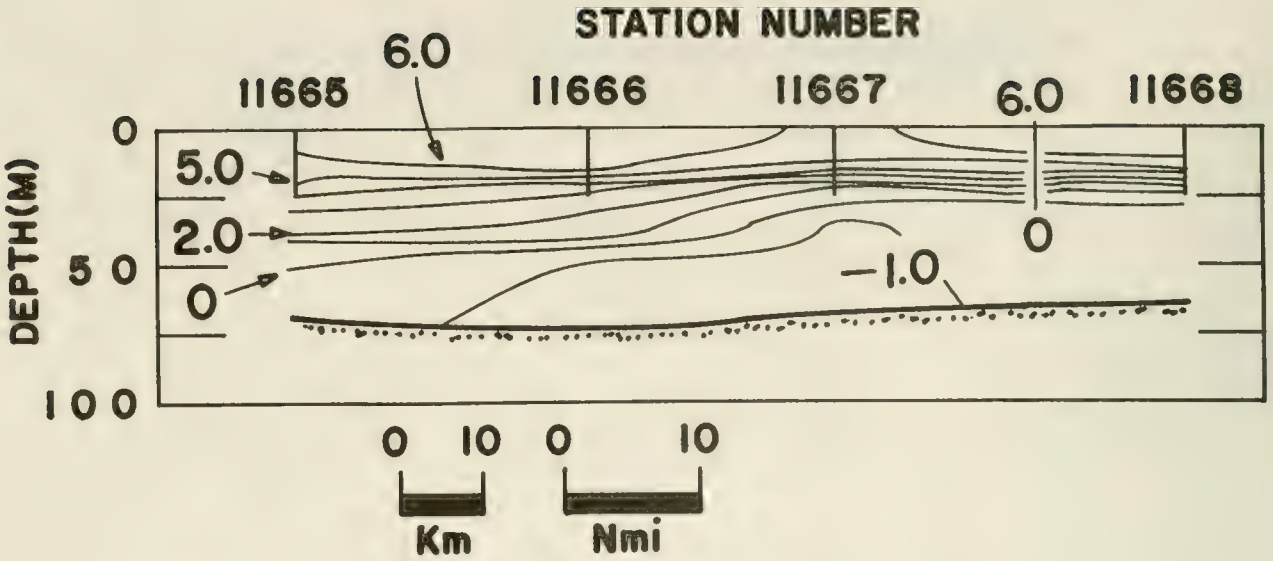

FIGURE 44. Vertical temperature (°C) section SS3, occupied by CGC EVERGREEN, 30 June 1974.

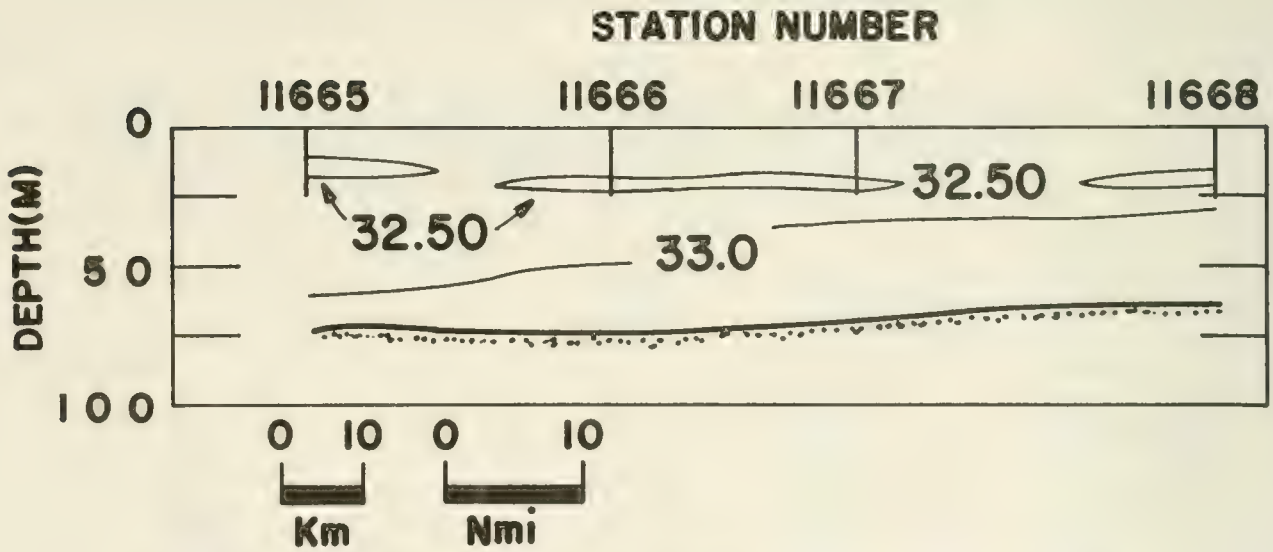

FIGURE 45. Vertical salinity (‰) section SS3, occupied by CGC EVERGREEN, 30 June 1974.

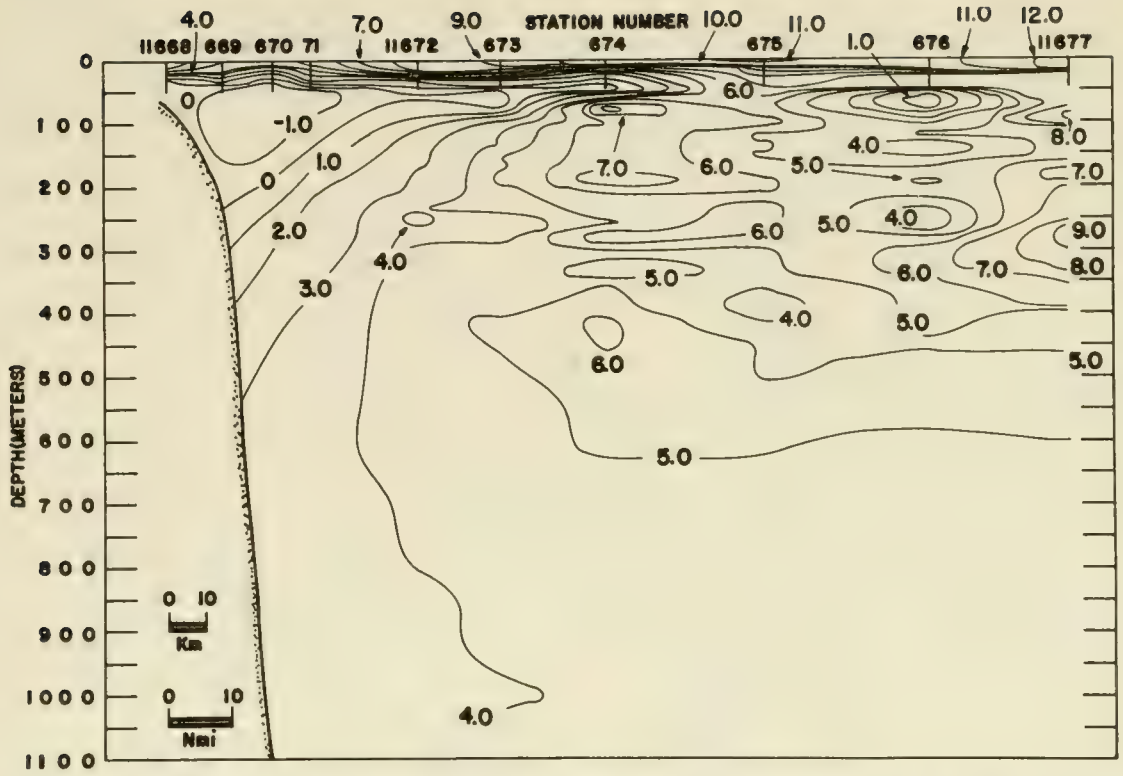

FIGURE 46. Vertical temperature (°C) section A3, occupied by CGC EVERGREEN, 30 June-1 July 1974.

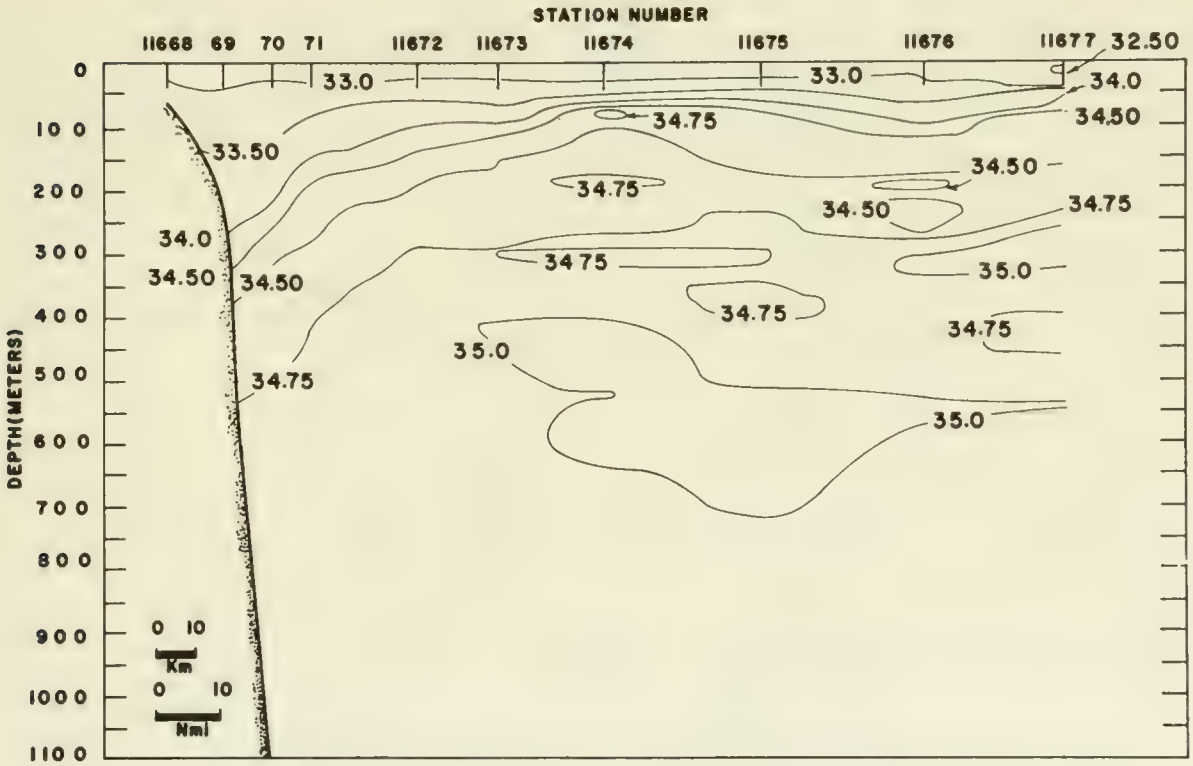

FIGURE 47. Vertical salinity (‰) section A3, occupied by CGC EVERGREEN, 30 June-1 July 1974.

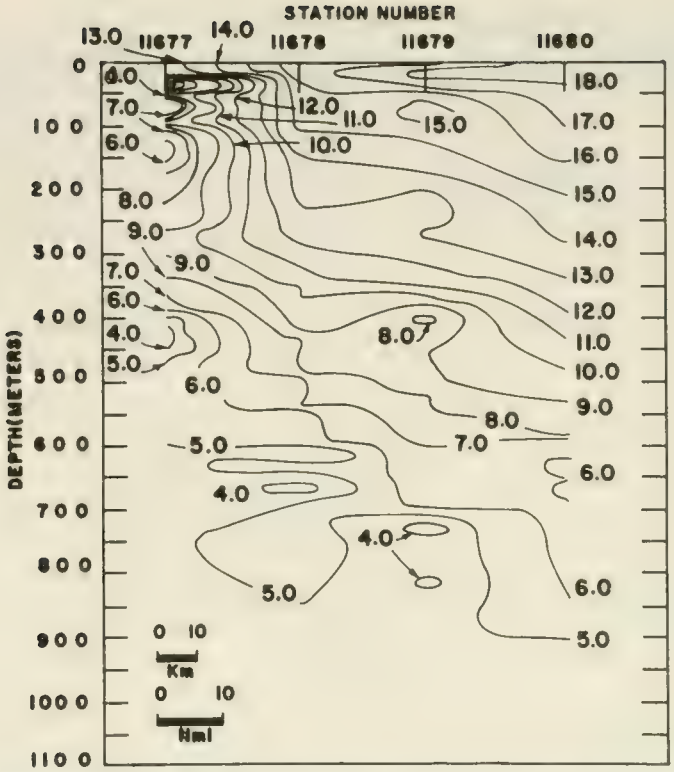

FIGURE 48. Vertical temperature (°C) section SS4, occupied by CGC EVERGREEN, 1–2 July 1974.

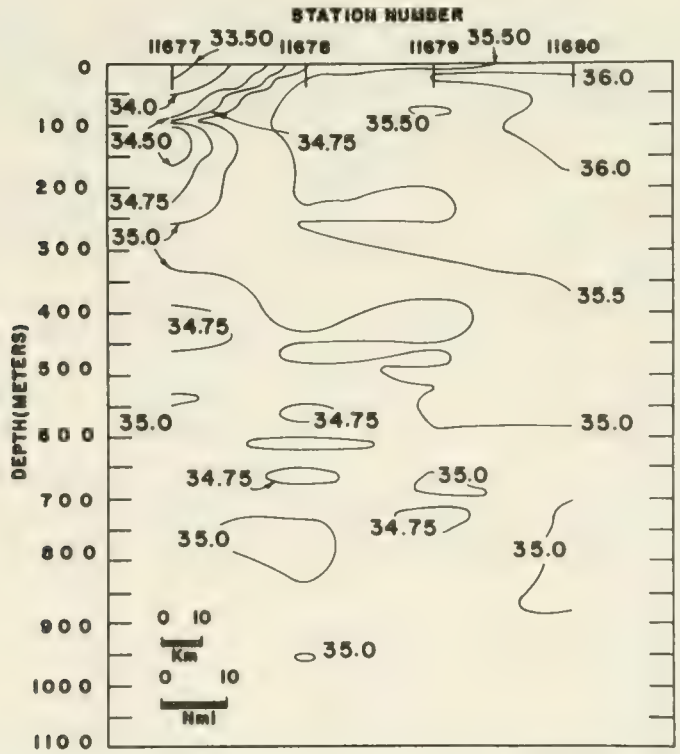

FIGURE 49. Vertical salinity (‰) section SS4, occupied by CGC EVERGREEN, 1–2 July 1974.

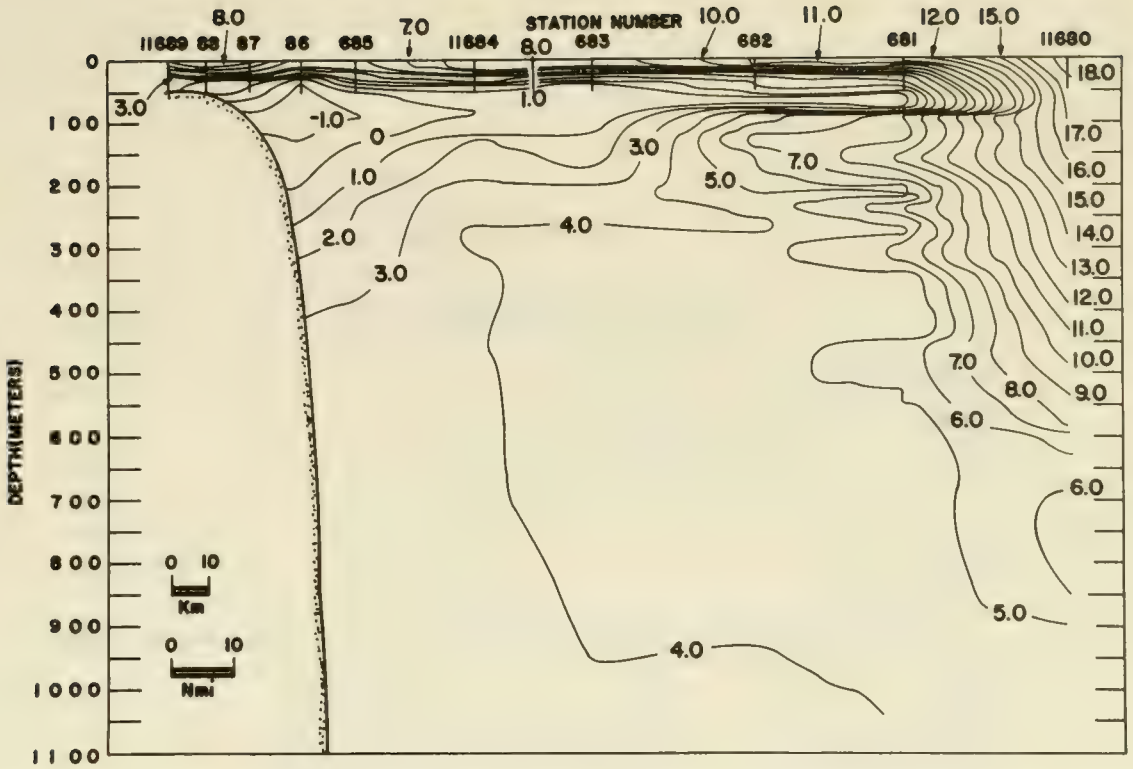

FIGURE 50. Vertical temperature (°C) section A-3A, occupied by CGC EVERGREEN, 2–3 July 1974.

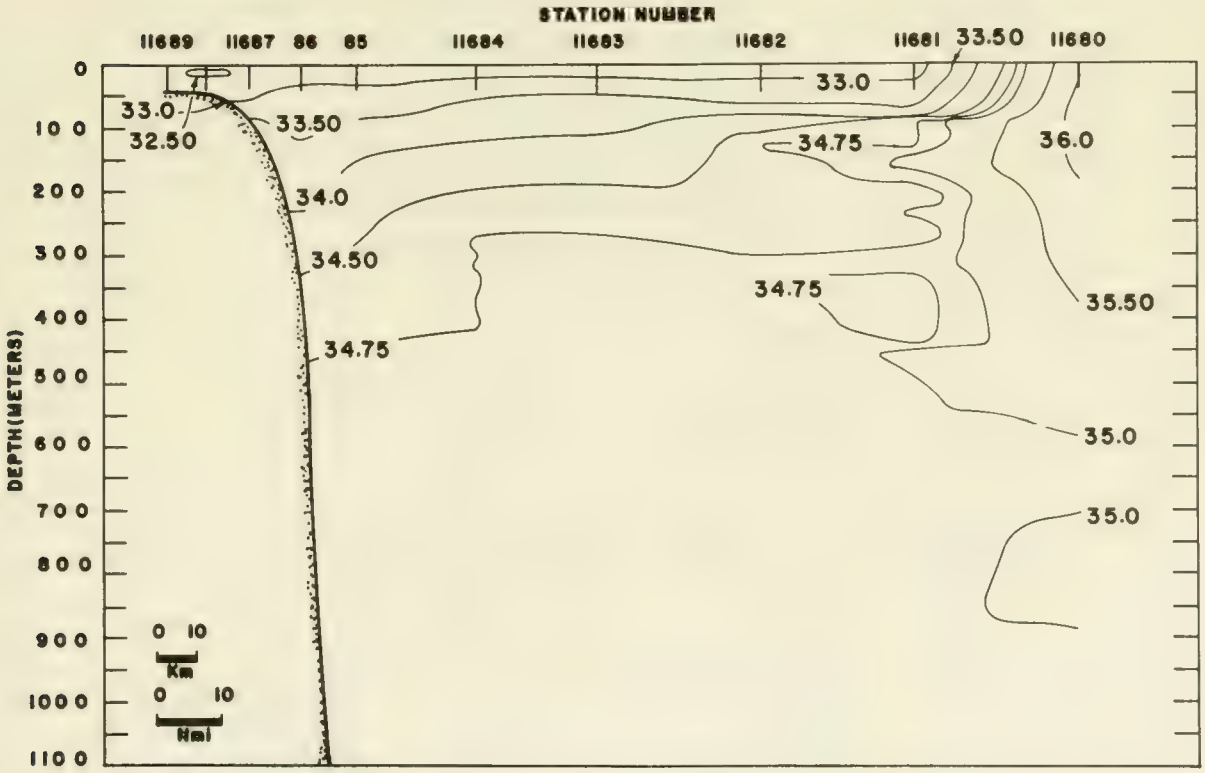

FIGURE 51. Vertical salinity (‰) section A-3A, occupied by CGC EVERGREEN, 2–3 July 1974.

APPENDIX A

OCEANOGRAPHIC DATA

Cruises Listed

Table I. CGC EVERGREEN, April-June 1974
Table II. CGC CHASE, March 1974
Table III. CGC SHERMAN, October 1974

Codes Utilized

To facilitate use of the oceanographic station data listing, entry headings which are not self-explanatory are described below.

Latitude . . . . . Degrees and minutes of latitude.
Longitude . . . . . Degrees and minutes of longitude
Depth to bottom . . . . . Uncorrected soundings in meters.

Wave observations:

DIR. . . . . Rounded to nearest multiple of 10 degrees.

HGT. . . . . Increments of ½ meter. Sum of 5 meters plus increments of ½ meters if 50 is added to direction.

PER. . . . . If numerals 2 through 9 are entered, period in seconds is either twice the numeric entry or 2X (numeric entry)+1. 0=20 or 21 sec. 1=over 21 seconds. X=calm or not determined.

SEA . . . . . Sea state according to WMO Code 3700.

Code	*Height*	*Code*	*Height*
0	0 m	5	2.5–4m
1	0–0.1m	6	4–6m
2	0.1–0.5m	7	6–9m
3	0.5–1.25m	8	9–14m
4	1.25–2.5m	9	□14m

Weather Code . . . . . Weather according to WMO Code 4501.

Code		*Code*	
0	Clear	5	Drizzle
1	Partly cloudy	6	Rain
2	Cont. layers of clouds	7	Snow and rain and snow mixed
3	Blowing snow, sandstorm, etc.	8	Shower(s)
4	Fog, haze, dust	9	Thunder-storm(s)

Cloud Code

Type .....Cloud type according to WMO Code 0500.

Code	*Type*	*Code*	*Type*
0	Cirrus	5	Nimbostratus
1	Cirrocumulus	6	Stratocumulus
2	Cirrostratus	7	Stratus
3	Altocumulus	8	Cumulus
4	Altostratus	9	Cumulonimbus

X Clouds not visible due to darkness, fog, or other analagous phenomena

Amount .....Cloud amount in eighths. Entry of the numeral 9 indicates cloud amount could not be estimated.

Wind

Dir. .....Rounded to nearest multiple of 10 degrees.

Speed .....Wind speed in knots.

Barometer .....Barometric pressure given in tens, units, and tenths of millibars.

Vis. Code .....Visibility according to WMO Code 4300.

Code	*Visibility*	*Code*	*Visibility*
0	Less than 50m	5	2–4km
1	50–200m	6	4–10km
2	200–500m	7	10–20km
3	500–1000m	8	20–50km
4	1–2km	9	50km or more

Dyn. Ht. .....Dynamic height in dynamic meters with respect to 1000 decibar reference surface.

Messenger time .....Entered in hours and tenths of an hour. Indicates the starting time for lowering the STD sensor.

Depth .....Depth to nearest meter.

Temp. .....Temperature to hundredths of a degree Celsius.

Sal. .....Salinity to hundredths of a part per thousand.

Sig-t .....Sigma-t value.

TABLE I. CGC EVERGREEN, April—June 1974

REFID 31 8370 YEAR 1974 BOTDP 00062 AIR TEMP 01.4 DIR HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1306
CONSEC 0001 MONTH 04 SHIP EV WET BULB 00.8 20 2 4 WIND-SPD 13 TRACE DIR D 5 SQUARE 2
LAT 44 44.5N DAY 08 DATA USE 1 BAROMETR 1030.0 SEA WIND-FOR DURATION 00.1 2 SQUARE 48
LONG 049 27.0W HOUR 22.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 491 1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.44	32.88	26.40	00.000	1448.4							
22.5	OBS	00001	00.44	32.880	26.40		1448.4							
	OBS	00009	00.38	32.895	26.41		1448.3							
	STD	00010	00.32	32.89	26.41	00.016	1448.0							
	OBS	00013	- 0.01	32.876	26.42		1446.5							
	STD	00020	- 0.39	33.00	26.54	00.032	1445.0							
	OBS	00020	- 0.43	33.015	26.55		1444.9							
	STD	00030	- 0.63	33.04	26.57	00.047	1444.1							
	OBS	00030	- 0.64	33.040	26.57		1444.1							
	OBS	00040	- 0.70	33.125	26.65		1444.1							
	STD	00050	- 0.66	33.14	26.66	00.076	1444.5							
	OBS	00051	- 0.66	33.140	26.66		1444.5							
	OBS	00057	- 0.66	33.140	26.66		1444.6							

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REFID 31 8370 YEAR 1974 BOTDP 00068 AIR TEMP 02.8 DIR HGT PER WIND-DIR 16 INST STD RECORDER TEN SQ 1306
CONSEC 0002 MONTH 04 SHIP EV WET BULB 01.2 16 2 2 WIND-SPD 04 TRACE DIR D 5 SQUARE 2
LAT 44 41.5N DAY 09 DATA USE 1 BAROMETR 1029.5 SEA WIND-FOR DURATION 00.1 2 SQUARE 48
LONG 049 06.0W HOUR 05.7 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG 011 492 1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.03	32.30	25.95	00.000	1445.7							
05.7	OBS	00000	00.03	32.300	25.95		1445.7							
	STD	00010	- 0.04	32.32	25.97	00.021	1445.6							
	OBS	00010	- 0.04	32.320	25.97		1445.6							
	OBS	00014	- 0.46	32.350	26.01		1443.7							
	STD	00020	- 0.64	32.37	26.03	00.041	1443.0							
	OBS	00020	- 0.64	32.370	26.03		1443.0							
	STD	00030	- 0.93	32.44	26.10	00.060	1441.9							
	OBS	00030	- 0.93	32.440	26.10		1441.9							
	STD	00050	- 0.99	32.48	26.13	00.098	1442.0							
	OBS	00050	- 0.99	32.480	26.13		1442.0							
	OBS	00059	- 1.04	32.510	26.16		1442.0							

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REFID 31 8370 YEAR 1974 BOTDP 00146 AIR TEMP 02.8 DIR HGT PER WIND-DIR 16 INST STD RECORDER TEN SQ 1306
CONSEC 0003 MONTH 04 SHIP EV WET BULB 01.2 16 2 2 WIND-SPD 04 TRACE DIR D 5 SQUARE 2
LAT 44 39.0N DAY 09 DATA USE 1 BAROMETR 1029.5 SEA WIND-FOR DURATION 00.1 2 SQUARE 48
LONG 049 05.5W HOUR 06.6 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG 011 493 1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.12	32.71	26.29	00.000	1445.6							
06.6	OBS	00000	- 0.12	32.708	26.29		1445.6							
	STD	00010	- 0.12	32.71	26.29	00.017	1445.7							
	OBS	00010	- 0.12	32.708	26.29		1445.7							
	STD	00020	- 0.33	32.73	26.31	00.035	1444.9							
	OBS	00020	- 0.33	32.726	26.31		1444.9							
	OBS	00025	- 0.84	32.801	26.39		1442.8							
	STD	00030	- 0.85	32.82	26.40	00.052	1442.8							
	OBS	00030	- 0.85	32.817	26.40		1442.8							
	STD	00050	- 0.94	32.86	26.44	00.084	1442.8							
	OBS	00050	- 0.94	32.860	26.44		1442.8							
	OBS	00058	- 0.99	32.886	26.46		1442.7							
	OBS	00068	- 1.00	32.894	26.47		1442.8							
	STD	00075	- 1.08	32.91	26.49	00.123	1442.6							
	OBS	00075	- 1.08	32.915	26.49		1442.6							
	OBS	00085	- 1.24	32.976	26.54		1442.1							
	STD	00100	- 1.35	33.05	26.61	00.160	1442.0							
	OBS	00100	- 1.35	33.050	26.61		1442.0							
	OBS	00105	- 1.29	33.080	26.63		1442.4							
	OBS	00119	- 1.28	33.110	26.65		1442.7							
	STD	00125	- 1.20	33.18	26.71	00.195	1443.3							
	OBS	00125	- 1.20	33.184	26.71		1443.3							
	OBS	00130	- 1.16	33.234	26.75		1443.6							

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REFID 31' 8370	YEAR 1974	BOTDP 00347	AIR TEMP 03.4	DIR HGT PER	WIND-DIR 01	INST STD RECORDER	TEN SQ 1306
CONSEC 0004	MONTH 04	SHIP EV	WET BULB 02.4	17 1 2	WIND-SPD 14	TRACE DIR U	5 SQUARE 2
LAT 44 37.5N	DAY 09	DATA USE I	BAROMETR 1029.5	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 48
LONG 049 05.5W	HOUR 07.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	CRIG 011 494	1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.04	32.73	26.30	00.000	1446.3							
07.2	OBS	00000	00.04	32.729	26.30		1446.3							
	OBS	00006	00.03	32.740	26.30		1446.4							
	STD	00010	- 0.23	32.72	26.30	00.017	1445.2							
	OBS	00010	- 0.23	32.717	26.30		1445.2							
	OBS	00014	- 0.60	32.783	26.37		1443.7							
	STD	00020	- 0.70	32.80	26.38	00.034	1443.3							
	OBS	00020	- 0.70	32.799	26.38		1443.3							
	STD	00030	- 1.00	32.87	26.45	00.050	1442.2							
	OBS	00030	- 1.00	32.872	26.45		1442.2							
	STD	00050	- 1.16	32.91	26.49	00.082	1441.8							
	OBS	00050	- 1.16	32.912	26.49		1441.8							
	OBS	00068	- 1.32	32.952	26.53		1441.4							
	STD	00075	- 1.30	32.97	26.54	00.120	1441.7							
	OBS	00075	- 1.30	32.966	26.54		1441.7							
	OBS	00078	- 1.38	32.944	26.52		1441.3							
	OBS	00088	- 1.41	32.995	26.56		1441.4							
	STD	00100	- 1.39	33.03	26.59	00.157	1441.7							
	OBS	00100	- 1.39	33.026	26.59		1441.7							
	STD	00125	- 1.31	33.17	26.70	00.192	1442.7							
	OBS	00125	- 1.31	33.168	26.70		1442.7							
	OBS	00138	- 1.23	33.216	26.74		1443.4							
	STD	00150	- 1.03	33.34	26.83	00.224	1444.7							
	OBS	00150	- 1.03	33.337	26.83		1444.7							
	OBS	00157	- 0.99	33.341	26.83		1445.0							
	OBS	00174	- 0.87	33.420	26.89		1445.9							
	OBS	00183	- 0.68	33.486	26.94		1447.1							
	STD	00200	- 0.45	33.59	27.01	00.281	1448.6							
	OBS	00200	- 0.45	33.588	27.01		1448.6							
	OBS	00210	- 0.13	33.695	27.08		1450.3							
	OBS	00215	00.19	33.809	27.16		1452.1							
	OBS	00224	00.48	33.919	27.23		1453.7							
	OBS	00238	00.64	33.971	27.26		1454.7							
	OBS	00244	00.66	33.976	27.27		1454.9							
	STD	00250	00.76	34.03	27.30	00.327	1455.5							
	OBS	00250	00.76	34.028	27.30		1455.5							
	OBS	00258	00.83	34.046	27.31		1456.0							
	OBS	00278	00.89	34.081	27.34		1456.6							
	STD	00300	01.18	34.18	27.40	00.363	1458.4							
	OBS	00300	01.18	34.183	27.40		1458.4							
	OBS	00303	01.18	34.184	27.40		1458.5							
	OBS	00318	01.44	34.269	27.45		1460.0							
	OBS	00324	01.47	34.295	27.47		1460.3							
	OBS	00334	01.74	34.362	27.50		1461.7							

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REFID 31 8370	YEAR 1974	BOTDP 00605	AIR TEMP 01.8	DIR HGT PER	WIND-DIR 17	INST STD RECORDER	TEN SQ 1306
CONSEC 0005	MONTH 04	SHIP EV	WET BULB 00.9	49 X X	WIND-SPD 10	TRACE DIR 0	5 SQUARE 2
LAT 44 38.2N	DAY 09	DATA USE 1	BAROMETR 1029.8	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 48
LONG 048 59.5W	HOUR 08.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 495	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.85	32.86	26.43	00.000	1442.4							
08.5	OBS	00000	- 0.85	32.856	26.43		1442.4							
	STD	00010	- 0.85	32.86	26.43	00.016	1442.5							
	OBS	00010	- 0.85	32.856	26.43		1442.5							
	STD	00020	- 0.84	32.85	26.43	00.032	1442.8							
	OBS	00020	- 0.84	32.855	26.43		1442.8							
	STD	00030	- 0.88	32.86	26.44	00.048	1442.7							
	OBS	00030	- 0.88	32.861	26.44		1442.7							
	OBS	00034	- 0.91	32.911	26.48		1442.7							
	OBS	00039	- 1.05	32.920	26.49		1442.2							
	OBS	00044	- 1.29	32.943	26.52		1441.2							
	STD	00050	- 1.36	32.95	26.52	00.079	1441.0							
	OBS	00059	- 1.44	32.960	26.54		1440.7							
	STD	00075	- 1.55	32.97	26.55	00.117	1440.5							
	OBS	00084	- 1.57	32.997	26.57		1440.6							
	STD	00100	- 1.52	33.06	26.62	00.153	1441.2							
	OBS	00100	- 1.52	33.065	26.62		1441.2							
	OBS	00108	- 1.52	33.182	26.72		1441.5							
	STD	00125	- 1.37	33.36	26.86	00.186	1442.7							
	OBS	00125	- 1.37	33.364	26.86		1442.7							
	OBS	00134	- 1.03	33.524	26.98		1444.7							
	STD	00150	- 0.89	33.57	27.01	00.214	1445.7							
	OBS	00165	- 0.47	33.620	27.04		1447.9							
	OBS	00169	- 0.31	33.666	27.07		1448.8							
	OBS	00175	- 0.18	33.669	27.06		1449.5							
	OBS	00185	- 0.17	33.696	27.08		1449.8							
	OBS	00188	- 0.16	33.707	27.09		1449.9							
	OBS	00195	- 0.04	33.747	27.12		1450.6							
	STD	00200	- 0.02	33.75	27.12	00.264	1450.8							
	OBS	00200	- 0.02	33.750	27.12		1450.8							
	OBS	00210	00.06	33.793	27.15		1451.4							
	OBS	00221	00.16	33.869	27.21		1452.1							
	OBS	00229	00.18	33.945	27.27		1452.4							
	OBS	00235	00.53	34.000	27.29		1454.2							
	STD	00250	00.71	34.04	27.32	00.307	1455.3							
	OBS	00260	00.85	34.084	27.34		1456.2							
	STD	00300	01.53	34.31	27.48	00.341	1460.2							
	OBS	00300	01.53	34.314	27.48		1460.2							
	OBS	00310	01.53	34.382	27.53		1460.4							
	OBS	00316	01.58	34.406	27.55		1460.8							
	OBS	00326	01.96	34.434	27.54		1462.7							
	OBS	00340	01.92	34.452	27.56		1462.8							
	OBS	00345	02.08	34.493	27.58		1463.6							
	OBS	00350	02.19	34.500	27.58		1464.2							
	OBS	00356	02.08	34.493	27.58		1463.8							
	OBS	00365	02.18	34.510	27.59		1464.4							
	OBS	00370	02.16	34.551	27.62		1464.4							
	OBS	00386	02.22	34.615	27.67		1465.1							
	STD	00400	02.44	34.62	27.65	00.396	1466.3							
	OBS	00400	02.44	34.618	27.65		1466.3							
	OBS	00411	02.53	34.635	27.66		1466.9							
	OBS	00419	02.57	34.640	27.66		1467.2							
	OBS	00465	02.94	34.727	27.69		1469.6							
	OBS	00479	02.94	34.744	27.71		1469.9							
	OBS	00490	02.95	34.820	27.77		1470.2							
	STD	00500	03.10	34.83	27.76	00.439	1471.0							
	OBS	00509	03.21	34.846	27.76		1471.7							
	OBS	00520	03.33	34.874	27.78		1472.4							
	OBS	00530	03.36	34.896	27.79		1472.8							
	OBS	00539	03.50	34.915	27.79		1473.5							
	OBS	00560	03.68	34.932	27.79		1474.7							
	STD	00600	03.68	34.92	27.78	00.477	1475.3							
	OBS	00600	03.68	34.920	27.78		1475.3							

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REFID 31 8370	YEAR 1974	BOTDP 02195	AIR TEMP 01.7	DIR HGT PER	WIND-DIR 17	INST STD RECORDER	TEN SQ 1306
CONSEC 0006	MONTH 04	SHIP EV	WET BULB 00.9	16 0 2	WIND-SPD 08	TRACE DIR D	5 SQUARE 2
LAT 44 35.8N	DAY 09	DATA USE 1	BAROMETR 1030.1	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 47.0W	HOUR 10.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 496	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.14	32.63	26.26	00.000	1440.7							
10.3	OBS	00000	- 1.14	32.629	26.26		1440.7							
	OBS	00006	- 1.15	32.643	26.27		1440.8							
	STD	00010	- 1.20	32.65	26.28	00.018	1440.6							
	OBS	00010	- 1.20	32.650	26.28		1440.6							
	STD	00020	- 1.25	32.66	26.29	00.035	1440.6							
	OBS	00020	- 1.25	32.657	26.29		1440.6							
	STD	00030	- 1.39	32.71	26.33	00.052	1440.1							
	OBS	00030	- 1.39	32.710	26.33		1440.1							
	STD	00050	- 1.45	32.74	26.35	00.086	1440.2							
	OBS	00050	- 1.45	32.736	26.35		1440.2							
	OBS	00056	- 1.42	32.808	26.41		1440.6							
	OBS	00064	- 1.05	32.921	26.49		1442.6							
	OBS	00066	- 0.45	33.217	26.71		1445.8							
	STD	00075	- 0.06	33.30	26.76	00.123	1447.9							
	OBS	00083	00.22	33.387	26.82		1449.4							
	STD	00100	00.62	33.58	26.95	00.153	1451.8							
	OBS	00100	00.62	33.580	26.95		1451.8							
	OBS	00109	00.99	33.845	27.14		1454.0							
	STD	00125	02.36	33.98	27.15	0C.179	1460.5							
	OBS	00125	02.36	33.976	27.15		1460.5							
	OBS	00131	03.05	34.106	27.19		1463.8							
	OBS	00144	03.17	34.165	27.23		1464.6							
	STD	00150	03.17	34.18	27.24	00.201	1464.7							
	OBS	00166	03.18	34.237	27.28		1465.1							
	OBS	00179	03.40	34.307	27.32		1466.3							
	OBS	00195	04.54	34.435	27.30		1471.6							
	STD	00200	04.49	34.44	27.31	00.242	1471.4							
	OBS	00200	04.49	34.443	27.31		1471.4							
	OBS	00205	04.56	34.454	27.31		1471.8							
	STD	00250	04.34	34.49	27.37	00.281	1471.7							
	OBS	00250	04.34	34.492	27.37		1471.7							
	OBS	00266	04.30	34.517	27.39		1471.8							
	OBS	00273	04.23	34.527	27.41		1471.7							
	STD	00300	04.22	34.56	27.43	00.316	1472.1							
	OBS	00306	04.20	34.567	27.44		1472.1							
	OBS	00320	04.13	34.586	27.47		1472.1							
	OBS	00332	04.16	34.601	27.47		1472.5							
	OBS	00379	04.01	34.624	27.51		1472.6							
	OBS	00394	04.01	34.663	27.54		1472.9							
	STD	00400	04.11	34.67	27.53	00.381	1473.5							
	OBS	00400	04.11	34.667	27.53		1473.5							
	OBS	00407	04.04	34.659	27.53		1473.3							
	OBS	00466	03.93	34.714	27.59		1473.9							
	OBS	00485	03.94	34.743	27.61		1474.3							
	STD	00500	04.03	34.78	27.63	00.437	1474.9							
	OBS	00500	04.03	34.781	27.63		1474.9							
	OBS	00506	04.06	34.785	27.63		1475.2							
	OBS	00532	04.03	34.806	27.65		1475.5							
	OBS	00559	04.01	34.830	27.67		1475.9							
	STD	00600	03.85	34.85	27.70	00.485	1475.9							
	OBS	00600	03.85	34.846	27.70		1475.9							
	OBS	00621	03.73	34.855	27.72		1475.8							
	OBS	00666	03.69	34.890	27.75		1476.4							
	OBS	00675	03.69	34.895	27.76		1476.6							
	STD	00700	03.69	34.90	27.76	00.529	1477.0							
	OBS	00700	03.69	34.895	27.76		1477.0							
	STD	00800	03.69	34.90	27.76	00.570	1478.6							
	OBS	00800	03.69	34.899	27.76		1478.6							
	STD	00900	03.69	34.90	27.76	00.613	1480.3							
	OBS	00900	03.69	34.899	27.76		1480.3							
	STD	01000	03.69	34.90	27.76	00.656	1482.0							
	OBS	01000	03.69	34.899	27.76		1482.0							

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REFID 31 8370	YEAR 1974	BOTDP 02926	AIR TEMP 03.4	DIR HGT PER	WIND-DIR 17	INST STD RECORDER	TEN SQ 1306
CONSEC 0007	MONTH 04	SHIP EV	WET BULB 02.3	07 1 3	WIND-SPD 09	TRACE DIR 0	5 SQUARE 2
LAT 44 32.7N	DAY 09	DATA USE 1	BAROMETR 1027.3	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 31.0W	HOUR 12.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	CRIG 011 497	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.50	33.03	26.38	00.000	1457.8							
12.7	OBS	00000	02.50	33.030	26.38		1457.8							
	STD	00010	02.56	33.06	26.40	00.016	1458.2							
	OBS	00010	02.56	33.060	26.40		1458.2							
	STD	00020	02.58	33.07	26.40	00.033	1458.5							
	OBS	00020	02.58	33.070	26.40		1458.5							
	STD	00030	02.60	33.08	26.41	00.049	1458.8							
	OBS	00030	02.60	33.080	26.41		1458.8							
	STD	00050	02.65	33.10	26.42	00.082	1459.3							
	OBS	00050	02.65	33.100	26.42		1459.3							
	OBS	00069	02.70	33.200	26.50		1460.0							
	STD	00075	02.82	33.19	26.48	00.121	1460.6							
	OBS	00075	02.82	33.190	26.48		1460.6							
	OBS	00083	01.90	33.240	26.59		1456.8							
	OBS	00090	01.74	33.460	26.78		1456.5							
	STD	00100	01.96	33.55	26.84	00.156	1457.7							
	OBS	00100	01.96	33.550	26.84		1457.7							
	OBS	00111	03.05	33.810	26.95		1463.0							
	STD	00125	03.48	33.93	27.01	00.185	1465.3							
	OBS	00125	03.48	33.930	27.01		1465.3							
	STD	00150	04.26	34.07	27.04	00.211	1469.2							
	OBS	00150	04.26	34.070	27.04		1469.2							
	OBS	00167	04.55	34.100	27.03		1470.7							
	OBS	00193	05.02	34.300	27.14		1473.3							
	STD	00200	04.73	34.29	27.17	00.261	1472.2							
	OBS	00200	04.73	34.290	27.17		1472.2							
	OBS	00210	04.23	34.270	27.20		1470.3							
	OBS	00241	04.17	34.300	27.23		1470.6							
	STD	00250	03.91	34.30	27.26	00.305	1469.6							
	OBS	00250	03.91	34.300	27.26		1469.6							
	OBS	00266	03.86	34.340	27.30		1469.8							
	STD	00300	04.33	34.46	27.34	00.345	1472.4							
	OBS	00300	04.33	34.460	27.34		1472.4							
	OBS	00312	04.52	34.490	27.35		1473.5							
	OBS	00361	04.77	34.570	27.38		1475.4							
	OBS	00373	04.70	34.570	27.39		1475.3							
	OBS	00382	04.70	34.600	27.41		1475.5							
	OBS	00391	04.77	34.610	27.41		1476.0							
	STD	00400	04.77	34.62	27.42	00.419	1476.1							
	OBS	00400	04.77	34.620	27.42		1476.1							
	OBS	00433	04.52	34.610	27.44		1475.6							
	OBS	00442	04.41	34.620	27.46		1475.3							
	OBS	00452	04.46	34.630	27.46		1475.7							
	OBS	00471	04.37	34.630	27.47		1475.7							
	STD	00500	04.34	34.65	27.49	00.487	1476.0							
	OBS	00500	04.34	34.650	27.49		1476.0							
	STD	00600	04.15	34.70	27.55	00.550	1477.0							
	OBS	00600	04.15	34.700	27.55		1477.0							
	OBS	00661	04.02	34.730	27.59		1477.5							
	STD	00700	04.03	34.75	27.61	00.608	1478.2							
	OBS	00700	04.03	34.750	27.61		1478.2							
	STD	00800	03.84	34.79	27.66	00.662	1479.1							
	OBS	00800	03.84	34.790	27.66		1479.1							
	OBS	00844	03.75	34.810	27.68		1479.5							
	OBS	00870	03.88	34.820	27.68		1480.5							
	OBS	00880	03.77	34.840	27.70		1480.2							
	STD	00900	03.75	34.84	27.71	00.712	1480.5							
	OBS	00900	03.75	34.840	27.71		1480.5							
	STD	01000	03.72	34.90	27.76	00.757	1482.1							
	OBS	01000	03.72	34.900	27.76		1482.1							
	OBS	01031	03.68	34.910	27.77		1482.5							

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REFID 31 8370	YEAR 1974	BOTDP 03339	AIR TEMP 06.4	DIR HGT PER	WIND-DIR 00	INST STD RECORDER	TEN SQ 1306
CONSEC 0008	MONTH 04	SHIP EV	WET BULB 05.3	06 0 2	WIND-SPD 00	TRACE DIR D	5 SQUARE 2
LAT 44 28.8N	DAY 09	DATA USE 1	BAROMETR 1031.7	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 13.0W	HOUR 15.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 498	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.93	33.28	26.69	00.000	1451.1							
15.2	OBS	00000	00.93	33.280	26.69		1451.1							
	STD	00010	00.93	33.28	26.69	00.014	1451.3							
	OBS	00010	00.93	33.280	26.69		1451.3							
	STD	00020	02.46	33.51	26.77	00.027	1458.6							
	OBS	00020	02.46	33.511	26.77		1458.6							
	STD	00030	02.55	33.53	26.78	00.040	1459.2							
	OBS	00030	02.55	33.535	26.78		1459.2							
	OBS	00040	02.68	33.536	26.77		1459.9							
	STD	00050	03.24	33.63	26.80	00.065	1462.6							
	OBS	00059	03.47	33.680	26.81		1463.8							
	STD	00075	03.25	33.66	26.81	00.097	1463.1							
	OBS	00075	03.25	33.657	26.81		1463.1							
	OBS	00097	03.29	34.112	27.17		1464.2							
	STD	00100	03.27	34.20	27.25	00.123	1464.3							
	OBS	00100	03.27	34.202	27.25		1464.3							
	STD	00125	04.25	34.35	27.27	00.143	1469.1							
	OBS	00125	04.25	34.354	27.27		1469.1							
	OBS	00142	04.91	34.506	27.32		1472.3							
	STD	00150	04.68	34.50	27.34	00.163	1471.5							
	OBS	00150	04.68	34.500	27.34		1471.5							
	OBS	00173	03.77	34.453	27.40		1468.0							
	STD	00200	04.88	34.79	27.54	00.197	1473.5							
	OBS	00200	04.88	34.787	27.54		1473.5							
	OBS	00239	04.87	34.789	27.54		1474.1							
	STD	00250	04.92	34.82	27.56	00.225	1474.6							
	OBS	00250	04.92	34.819	27.56		1474.6							
	OBS	00295	05.51	34.976	27.62		1477.9							
	STD	00300	05.30	34.99	27.66	00.252	1477.2							
	OBS	00300	05.30	34.995	27.66		1477.2							
	OBS	00308	05.53	35.026	27.65		1478.3							
	OBS	00329	05.63	35.050	27.66		1479.1							
	OBS	00370	04.55	34.931	27.69		1475.2							
	STD	00400	04.44	34.95	27.72	00.297	1475.2							
	OBS	00400	04.44	34.951	27.72		1475.2							
	OBS	00420	04.47	34.989	27.75		1475.7							
	OBS	00437	04.39	35.001	27.77		1475.7							
	OBS	00457	04.41	35.017	27.78		1476.1							
	OBS	00480	04.31	35.027	27.80		1476.1							
	STD	00500	04.31	35.05	27.81	00.336	1476.5							
	OBS	00500	04.31	35.051	27.81		1476.5							
	OBS	00544	04.35	35.086	27.83		1477.4							
	STD	00600	04.17	35.11	27.88	00.368	1477.6							
	OBS	00600	04.17	35.106	27.88		1477.6							
	OBS	00618	04.09	35.116	27.89		1477.6							
	OBS	00638	04.25	35.155	27.90		1478.6							
	OBS	00679	04.25	35.173	27.92		1479.3							
	STD	00700	04.17	35.18	27.93	00.396	1479.4							
	OBS	00700	04.17	35.181	27.93		1479.4							
	OBS	00719	04.15	35.193	27.95		1479.6							
	OBS	00727	04.16	35.220	27.97		1479.8							
	OBS	00730	04.24	35.220	27.96		1480.2							
	OBS	00748	04.26	35.222	27.96		1480.6							
	OBS	00761	04.22	35.229	27.97		1480.7							
	OBS	00778	04.20	35.241	27.98		1480.9							
	STD	00800	04.12	35.24	27.99	00.420	1480.9							
	OBS	00800	04.12	35.240	27.99		1480.9							
	OBS	00828	03.91	35.227	28.00		1480.5							
	OBS	00838	03.93	35.239	28.00		1480.7							
	OBS	00850	03.89	35.235	28.01		1480.8							
	OBS	00890	03.84	35.256	28.03		1481.3							
	STD	00900	03.88	35.27	28.04	00.439	1481.6							
	OBS	00900	03.88	35.272	28.04		1481.6							
	OBS	00927	03.88	35.282	28.04		1482.1							
	STD	01000	03.77	35.31	28.08	00.455	1482.9							
	OBS	01000	03.77	35.314	28.08		1482.9							
	OBS	01019	03.76	35.320	28.09		1483.2							

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REFID 31 8370	YEAR 1974	BOTDP 03555	AIR TEMP 05.6	DIR HGT PER	WIND-DIR 13	INST STD RECORDER	TEN SQ 1306
CONSEC 0009	MONTH 04	SHIP EV	WET BULB 04.6	23 1 5	WIND-SPD 08	TRACE DIR D	5 SQUARE 2
LAT 44 23.2N	DAY 09	DATA USE 1	BAROMETR 1031.5	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 45.5W	HOUR 18.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 499 11	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.70	33.35	26.69	00.000	1454.7							
18.1	OBS	00000	01.70	33.348	26.69		1454.7							
	STD	00010	01.70	33.35	26.69	00.014	1454.8							
	OBS	00010	01.70	33.348	26.69		1454.8							
	STD	00020	01.35	33.37	26.74	00.027	1453.5							
	OBS	00020	01.35	33.373	26.74		1453.5							
	STD	00030	01.28	33.37	26.74	00.040	1453.3							
	OBS	00030	01.28	33.372	26.74		1453.3							
	OBS	00040	01.08	33.412	26.79		1452.7							
	STD	00050	01.32	33.45	26.80	00.066	1453.9							
	OBS	00050	01.32	33.452	26.80		1453.9							
	OBS	00067	01.58	33.499	26.82		1455.4							
	STD	00075	01.52	33.53	26.85	00.097	1455.4							
	OBS	00075	01.52	33.533	26.85		1455.4							
	OBS	00089	01.60	33.621	26.92		1456.1							
	STD	00100	01.35	33.93	27.18	00.123	1455.6							
	OBS	00100	01.35	33.926	27.18		1455.6							
	OBS	00109	02.05	34.036	27.22		1459.0							
	STD	00125	02.36	34.17	27.30	00.144	1460.8							
	OBS	00125	02.36	34.167	27.30		1460.8							
	OBS	00129	02.84	34.263	27.33		1463.0							
	OBS	00138	03.07	34.300	27.34		1464.2							
	OBS	00143	02.97	34.300	27.35		1463.9							
	OBS	00147	03.04	34.347	27.38		1464.3							
	STD	00150	03.05	34.38	27.41	00.162	1464.4							
	OBS	00150	03.05	34.379	27.41		1464.4							
	OBS	00159	03.47	34.462	27.43		1466.5							
	OBS	00179	03.76	34.554	27.48		1468.2							
	STD	00200	03.83	34.61	27.52	00.195	1468.9							
	OBS	00200	03.83	34.613	27.52		1468.9							
	OBS	00240	04.40	34.786	27.60		1472.2							
	STD	00250	04.50	34.81	27.61	00.222	1472.8							
	OBS	00280	04.54	34.876	27.65		1473.6							
	OBS	00293	04.44	34.896	27.68		1473.4							
	STD	00300	04.54	34.91	27.68	00.247	1473.9							
	OBS	00300	04.54	34.911	27.68		1473.9							
	OBS	00309	04.56	34.914	27.68		1474.2							
	OBS	00329	04.41	34.922	27.70		1473.9							
	STD	00400	04.65	35.04	27.77	00.289	1476.2							
	OBS	00400	04.65	35.036	27.77		1476.2							
	OBS	00440	04.83	35.087	27.79		1477.7							
	OBS	00480	04.67	35.101	27.81		1477.7							
	STD	00500	04.74	35.13	27.83	00.325	1478.4							
	OBS	00500	04.74	35.129	27.83		1478.4							
	OBS	00520	04.74	35.132	27.83		1478.7							
	STD	00600	04.39	35.15	27.88	00.357	1478.6							
	OBS	00600	04.39	35.146	27.88		1478.6							
	OBS	00628	04.42	35.174	27.90		1479.2							
	STD	00700	04.19	35.18	27.93	00.385	1479.5							
	OBS	00700	04.19	35.184	27.93		1479.5							
	OBS	00746	04.18	35.210	27.96		1480.2							
	STD	00800	03.95	35.21	27.98	00.408	1480.2							
	OBS	00800	03.95	35.214	27.98		1480.2							
	OBS	00847	03.93	35.248	28.01		1480.9							
	OBS	00859	04.01	35.263	28.02		1481.5							
	OBS	00888	03.92	35.271	28.03		1481.6							
	STD	00900	03.96	35.28	28.04	00.428	1482.0							
	OBS	00900	03.96	35.281	28.04		1482.0							
	OBS	00925	03.98	35.300	28.05		1482.5							
	STD	01000	03.84	35.33	28.08	00.444	1483.2							
	OBS	01000	03.84	35.326	28.08		1483.2							
	OBS	01028	03.80	35.332	28.09		1483.5							

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REFID 31 8370	YEAR 1974	BOTOP 03933	AIR TEMP 07.8	DIR HGT PER	WIND-DIR 33	INST STD RECORDER	TEN SQ 1306
CONSEC 0010	MONTH 04	SHIP EV	WET BULB 06.2	06 0 2	WIND-SPD 02	TRACE DIR D	5 SQUARE 2
LAT 44 15.0N	DAY 09	DATA USE I	BAROMETR 1032.9	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 46
LONG 047 11.5W	HOUR 22.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	CRIG 011 500	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.70	32.78	26.07	00.000	1462.6							
22.5	OBS	00000	03.70	32.780	26.07		1462.6							
	STD	00010	03.53	32.83	26.13	00.019	1462.1							
	STD	00020	03.21	32.86	26.18	00.038	1460.9							
	OBS	00020	03.21	32.860	26.18		1460.9							
	STD	00030	02.73	32.87	26.23	00.056	1459.0							
	OBS	00041	02.06	32.880	26.29		1456.3							
	STD	00050	00.98	32.88	26.37	00.091	1451.6							
	OBS	00064	00.21	32.880	26.41		1448.4							
	STD	00075	01.28	33.04	26.48	00.131	1453.6							
	STD	00100	03.31	33.39	26.60	00.169	1463.4							
	OBS	00100	03.31	33.390	26.60		1463.4							
	STD	00125	03.64	33.45	26.61	00.205	1465.3							
	STD	00150	05.36	33.88	26.77	00.239	1473.5							
	OBS	00155	05.87	34.010	26.81		1475.8							
	OBS	00175	08.47	34.680	26.97		1487.2							
	STD	00200	05.01	34.18	27.05	00.298	1473.2							
	OBS	00210	04.22	34.080	27.05		1470.0							
	OBS	00222	03.73	34.030	27.06		1468.1							
	STD	00250	05.35	34.30	27.10	00.349	1475.6							
	OBS	00250	05.35	34.300	27.10		1475.6							
	OBS	00271	04.37	34.230	27.16		1471.8							
	STD	00300	04.65	34.29	27.17	00.398	1473.6							
	OBS	00300	04.65	34.290	27.17		1473.6							
	OBS	00325	05.84	34.570	27.25		1479.2							
	STD	00400	05.04	34.58	27.36	00.483	1477.2							
	OBS	00400	05.04	34.580	27.36		1477.2							
	STD	00500	05.25	34.71	27.44	00.557	1479.9							
	OBS	00500	05.25	34.710	27.44		1479.9							
	STD	00600	04.49	34.70	27.52	00.625	1478.4							
	OBS	00600	04.49	34.700	27.52		1478.4							
	STD	00700	04.34	34.73	27.56	00.687	1479.5							
	OBS	00700	04.34	34.730	27.56		1479.5							
	STD	00800	04.16	34.79	27.62	00.746	1480.5							
	OBS	00800	04.16	34.790	27.62		1480.5							
	STD	00900	04.11	34.83	27.66	00.800	1482.0							
	STD	01000	03.96	34.87	27.71	00.850	1483.1							
	OBS	01000	03.96	34.870	27.71		1483.1							
	OBS	01033	03.89	34.880	27.72		1483.3							

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TABLE I. CGC EVERGREEN, April–June 1974—(Continued)

REFID 31 8370 YEAR 1974 BOTDP 03867 AIR TEMP 05.6 DIR HGT PER WIND-DIR 04 INST STD RECORDER TEN SQ 1306
CONSEC 0011 MONTH 04 SHIP EV WET BULB 05.0 26 1 3 WIND-SPD 08 TRACE DIR D 5 SQUARE 2
LAT 44 08.4N DAY 10 DATA USE 1 BAROMETR 1034.8 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 046 37.2W HOUR 02.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 501 1 SQUARE 46

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	07.16	33.33	26.10	00.000	1477.5							
02.1	OBS	00000	07.16	33.330	26.10		1477.5							
	STD	00010	05.99	33.17	26.13	00.019	1472.8							
	OBS	00010	05.99	33.170	26.13		1472.8							
	STD	00020	05.44	33.14	26.17	00.038	1470.7							
	OBS	00020	05.44	33.140	26.17		1470.7							
	STD	00030	10.86	34.37	26.33	00.056	1493.2							
	OBS	00030	10.86	34.370	26.33		1493.2							
	STD	00050	10.59	34.48	26.46	00.089	1492.7							
	OBS	00050	10.59	34.480	26.46		1492.7							
	STD	00075	07.47	33.91	26.52	00.128	1480.7							
	STD	00100	06.67	33.84	26.57	00.165	1477.9							
	OBS	00100	06.67	33.840	26.57		1477.9							
	STD	00125	08.18	34.26	26.69	00.201	1484.7							
	OBS	00125	08.18	34.260	26.69		1484.7							
	STD	00150	08.97	34.49	26.75	00.235	1488.4							
	OBS	00166	09.47	34.640	26.78		1490.7							
	OBS	00176	08.70	34.490	26.79		1487.8							
	STD	00200	07.59	34.30	26.81	00.301	1483.7							
	OBS	00200	07.59	34.300	26.81		1483.7							
	OBS	00230	05.30	34.030	26.89		1474.7							
	OBS	00241	07.43	34.460	26.95		1484.0							
	STD	00250	06.96	34.39	26.97	00.362	1482.2							
	OBS	00250	06.96	34.390	26.97		1482.2							
	STD	00300	05.53	34.26	27.05	00.417	1477.1							
	OBS	00300	05.53	34.260	27.05		1477.1							
	OBS	00351	06.00	34.460	27.15		1480.1							
	STD	00400	04.50	34.36	27.25	00.513	1474.7							
	OBS	00400	04.50	34.360	27.25		1474.7							
	OBS	00451	05.41	34.580	27.32		1479.6							
	STD	00500	05.03	34.60	27.38	00.595	1478.8							
	OBS	00500	05.03	34.600	27.38		1478.8							
	OBS	00552	04.68	34.630	27.44		1478.3							
	STD	00600	04.72	34.68	27.48	00.668	1479.3							
	OBS	00600	04.72	34.680	27.48		1479.3							
	OBS	00651	04.67	34.720	27.51		1480.0							
	STD	00700	04.59	34.76	27.55	00.733	1480.5							
	OBS	00700	04.59	34.760	27.55		1480.5							
	OBS	00750	04.63	34.810	27.59		1481.6							
	STD	00800	04.49	34.82	27.61	00.792	1481.9							
	OBS	00800	04.49	34.820	27.61		1481.9							
	OBS	00849	04.40	34.830	27.63		1482.3							
	STD	00900	04.30	34.86	27.66	00.848	1482.8							
	OBS	00952	04.23	34.880	27.69		1483.4							
	STD	01000	04.20	34.90	27.71	00.899	1484.1							
	OBS	01000	04.20	34.900	27.71		1484.1							
	OBS	01029	04.16	34.920	27.73		1484.5							

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REFID 31 8370	YEAR 1974	BOTOP 04102	AIR TEMP 07.5	DIR HGT PER	WIND-DIR 08	INST STD RECORDER	TEN SQ 1306
CONSEC 0012	MONTH 04	SHIP EV	WET BULB 06.1	00 0 X	WIND-SPD 13	TRACE DIR D	5 SQUARE 2
LAT 43 57.4N	DAY 10	DATA USE 1	BARCMETR 1035.1	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 24
LONG 045 56.5W	HOUR 06.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X0	ORIG 011 502	1 SQUARE 35

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	10.30	34.08	26.20	00.000	1490.3							
06.1	OBS	00000	10.30	34.080	26.20		1490.3							
	STD	00010	10.29	34.08	26.20	00.018	1490.4							
	OBS	00010	10.29	34.080	26.20		1490.4							
	STD	00020	10.08	34.17	26.31	00.036	1489.9							
	OBS	00020	10.08	34.170	26.31		1489.9							
	STD	00030	09.86	34.10	26.29	00.053	1489.2							
	OBS	00030	09.86	34.100	26.29		1489.2							
	STD	00050	10.88	34.41	26.36	00.088	1493.6							
	OBS	00050	10.88	34.410	26.36		1493.6							
	STD	00075	11.43	34.55	26.37	00.130	1496.1							
	OBS	00081	11.56	34.560	26.35		1496.7							
	OBS	00093	10.68	34.540	26.49		1493.8							
	STD	00100	10.32	34.49	26.52	00.170	1492.5							
	STD	00125	09.36	34.38	26.59	00.208	1489.3							
	OBS	00125	09.36	34.380	26.59		1489.3							
	STD	00150	08.92	34.37	26.66	00.244	1488.0							
	OBS	00150	08.92	34.370	26.66		1488.0							
	OBS	00178	08.49	34.350	26.71		1486.9							
	STD	00200	08.55	34.36	26.71	00.314	1487.5							
	OBS	00200	08.55	34.360	26.71		1487.5							
	—OBS	00229	08.85	34.520	26.79		1489.3							
	STD	00250	08.98	34.58	26.82	00.381	1490.2							
	OBS	00255	09.01	34.600	26.82		1490.4							
	STD	00300	05.56	34.07	26.89	00.443	1477.0							
	OBS	00300	05.56	34.070	26.89		1477.0							
	OBS	00307	06.54	34.310	26.96		1481.4							
	OBS	00331	07.77	34.640	27.05		1487.0							
	OBS	00355	05.84	34.310	27.05		1479.4							
	OBS	00394	04.49	34.190	27.11		1474.3							
	STD	00400	04.50	34.21	27.12	00.553	1474.5							
	OBS	00455	04.61	34.380	27.25		1476.1							
	STD	00500	05.06	34.55	27.33	00.643	1478.9							
	OBS	00506	05.08	34.560	27.34		1479.1							
	OBS	00557	04.83	34.600	27.40		1479.0							
	STD	00600	04.73	34.64	27.44	00.719	1479.3							
	OBS	00607	04.71	34.650	27.45		1479.4							
	OBS	00659	04.90	34.760	27.52		1481.1							
	STD	00700	04.73	34.76	27.54	00.787	1481.1							
	OBS	00709	04.70	34.760	27.54		1481.2							
	OBS	00759	04.59	34.780	27.57		1481.6							
	STD	00800	04.58	34.81	27.60	00.848	1482.3							
	OBS	00809	04.57	34.820	27.60		1482.4							
	OBS	00860	04.42	34.840	27.64		1482.6							
	STD	00900	04.30	34.87	27.67	00.903	1482.8							
	OBS	00910	04.28	34.870	27.67		1482.9							
	OBS	00961	04.18	34.880	27.69		1483.3							
	STD	01000	04.13	34.88	27.70	00.955	1483.8							
	OBS	01011	04.12	34.880	27.70		1483.9							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID 31 8370 YEAR 1974 BOTDP 04511 AIR TEMP 07.0 DIR HGT PER WIND-DIR 07 INST STD RECORDER TEN SQ 1306
CONSEC 0013 MONTH 04 SHIP EV WET BULB 05.9 00 0 X WIND-SPD 08 TRACE DIR D 5 SQUARE 2
LAT 43 50.8N DAY 10 DATA USE I BAROMETR 1035.8 SEA WIND-FOR DURATION 00.4 2 SQUARE 24
LONG 045 14.8W HOUR 10.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 503 13 1 SQUARE 35

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.23	32.79	26.13	00.000	1460.6							
10.1	OBS	00000	03.23	32.790	26.13		1460.6							
	STD	00010	03.81	32.99	26.23	00.018	1463.5							
	OBS	00012	03.83	33.010	26.24		1463.7							
	STD	00020	03.09	32.91	26.24	00.036	1460.5							
	STD	00030	02.54	32.87	26.25	00.054	1458.2							
	OBS	00030	02.54	32.870	26.25		1458.2							
	OBS	00040	02.41	32.910	26.29		1457.9							
	STD	00050	02.81	33.03	26.35	00.089	1459.9							
	STD	00075	03.30	33.24	26.48	00.130	1462.8							
	OBS	00080	03.32	33.270	26.50		1462.9							
	STD	00100	02.92	33.32	26.57	00.168	1461.6							
	OBS	00116	02.60	33.360	26.63		1460.5							
	STD	00125	03.52	33.56	26.71	00.203	1464.9							
	OBS	00140	04.98	33.860	26.80		1471.7							
	STD	00150	06.23	34.06	26.81	00.236	1477.2							
	OBS	00166	07.33	34.270	26.82		1482.1							
	STD	00200	05.95	34.21	26.96	00.296	1477.1							
	OBS	00200	05.95	34.210	26.96		1477.1							
	STD	00250	04.70	34.02	26.95	00.353	1472.6							
	OBS	00250	04.70	34.020	26.95		1472.6							
	OBS	00266	05.54	34.320	27.09		1476.7							
	STD	00300	05.16	34.29	27.11	00.406	1475.7							
	OBS	00331	04.82	34.260	27.13		1474.7							
	OBS	00338	05.20	34.300	27.12		1476.5							
	OBS	00352	05.40	34.400	27.17		1477.6							
	OBS	00390	05.03	34.470	27.27		1476.8							
	STD	00400	04.83	34.47	27.30	00.497	1476.2							
	OBS	00456	04.47	34.490	27.35		1475.6							
	OBS	00489	04.84	34.590	27.39		1477.9							
	STD	00500	04.88	34.62	27.41	00.575	1478.3							
	OBS	00541	04.91	34.690	27.46		1479.1							
	OBS	00590	04.67	34.700	27.50		1479.0							
	STD	00600	04.66	34.72	27.51	00.645	1479.1							
	OBS	00640	04.60	34.760	27.55		1479.6							
	OBS	00690	04.42	34.780	27.59		1479.7							
	STD	00700	04.42	34.79	27.59	00.706	1479.9							
	OBS	00739	04.43	34.820	27.62		1480.6							
	STD	00800	04.46	34.86	27.65	00.762	1481.8							
	OBS	00800	04.46	34.860	27.65		1481.8							
	STD	00900	04.21	34.90	27.71	00.813	1482.5							
	OBS	00900	04.21	34.900	27.71		1482.5							
	STD	01000	04.12	34.95	27.76	00.860	1483.8							
	OBS	01000	04.12	34.950	27.76		1483.8							

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REFID 31 8370	YEAR 1974	BOTDP 04286	AIR TEMP 16.5	DIR HGT PER	WIND-DIR 16	INST STD RECORDER	TEN SQ 1306
CONSEC 0014	MONTH 04	SHIP EV	WET BULB 12.4	15 1 5	WIND-SPD 10	TRACE DIR D	5 SQUARE 1
LAT 43 43.1N	DAY 10	DATA USE I	BAROMETR 1036.0	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 24
LONG 044 32.7W	HOUR 14.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 504	1 SQUARE 34

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	14.31	35.31	26.38	00.000	1505.6							
14.0	OBS	00000	14.31	35.314	26.38		1505.6							
	STD	00010	14.20	35.32	26.41	00.016	1505.4							
	OBS	00010	14.20	35.318	26.41		1505.4							
	STD	00020	14.20	35.32	26.41	00.033	1505.6							
	OBS	00020	14.20	35.323	26.41		1505.6							
	STD	00030	14.19	35.33	26.42	00.049	1505.7							
	OBS	00035	14.19	35.328	26.42		1505.8							
	STD	00050	14.19	35.33	26.42	00.082	1506.0							
	OBS	00050	14.19	35.335	26.42		1506.0							
	STD	00075	14.19	35.35	26.43	00.122	1506.5							
	OBS	00075	14.19	35.346	26.43		1506.5							
	STD	00100	14.20	35.36	26.44	00.163	1506.9							
	OBS	00100	14.20	35.359	26.44		1506.9							
	STD	00125	14.20	35.39	26.47	00.203	1507.4							
	OBS	00125	14.20	35.28 P	26.38Q*									
	OBS	00127	14.21	35.395	26.47		1507.4							
	OBS	00130	14.27	35.395	26.45		1507.7							
	STD	00150	14.19	35.40	26.47	00.244	1507.7							
	OBS	00155	14.18	35.396	26.47		1507.8							
	STD	00200	14.42	35.57	26.55	00.323	1509.5							
	OBS	00200	14.42	35.568	26.55		1509.5							
	OBS	00205	14.49	35.576	26.54		1509.8							
	OBS	00218	14.43	35.576	26.56		1509.9							
	STD	00250	12.99	35.19	26.56	00.400	1505.2							
	OBS	00250	12.99	35.187	26.56		1505.2							
	STD	00300	12.81	35.26	26.65	00.476	1505.5							
	OBS	00300	12.81	35.264	26.65		1505.5							
	STD	00400	10.27	35.01	26.93	00.611	1497.9							
	OBS	00400	10.27	35.011	26.93		1497.9							
	OBS	00423	09.89	34.951	26.95		1496.9							
	OBS	00445	09.44	34.885	26.98		1495.5							
	OBS	00453	09.34	34.943	27.04		1495.3							
	OBS	00463	09.31	34.928	27.03		1495.4							
	OBS	00474	09.30	34.939	27.04		1495.5							
	STD	00500	08.87	34.91	27.09	00.726	1494.3							
	OBS	00500	08.87	34.912	27.09		1494.3							
	OBS	00573	07.80	34.880	27.23		1491.4							
	STD	00600	06.39	34.72	27.30	00.823	1486.1							
	OBS	00606	06.08	34.682	27.31		1485.0							
	OBS	00617	06.51	34.748	27.31		1486.9							
	OBS	00645	06.01	34.719	27.35		1485.4							
	OBS	00676	05.02	34.686	27.45		1481.8							
	STD	00700	05.14	34.74	27.48	00.902	1482.8							
	OBS	00700	05.14	34.742	27.48		1482.8							
	OBS	00737	05.08	34.770	27.51		1483.2							
	OBS	00786	05.06	34.830	27.55		1484.0							
	STD	00800	04.91	34.84	27.58	00.967	1483.6							
	OBS	00800	04.91	34.844	27.58		1483.6							
	OBS	00836	04.80	34.897	27.64		1483.9							
	OBS	00855	04.87	34.902	27.63		1484.5							
	OBS	00875	04.71	34.894	27.65		1484.1							
	STD	00900	04.66	34.91	27.67	01.024	1484.4							
	OBS	00900	04.66	34.914	27.67		1484.4							
	OBS	00955	04.55	34.943	27.70		1484.9							
	OBS	00984	04.81	34.992	27.71		1486.5							
	OBS	00993	04.74	35.003	27.73		1486.4							
	STD	01000	04.76	35.01	27.73	01.075	1486.6							
	OBS	01000	04.76	35.007	27.73		1486.6							
	OBS	01024	04.73	34.994	27.72		1486.8							

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REFID 31 8370	YEAR 1974	BOTDP 04376	AIR TEMP 10.8	DIR HGT PER	WIND-DIR 18	INST STD RECORDER	TEN SQ 1306
CONSEC 0015	MONTH 04	SHIP EV	WET BULB 09.2	18 0 2	WIND-SPD 10	TRACE DIR D	5 SQUARE 2
LAT 44 07.8N	DAY 10	DATA USE 1	BAROMETR 1033.2	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 44
LONG 045 02.5W	HOUR 19.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 505 14	1 SQUARE 45

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	05.42	33.10	26.14	00.000	1470.2							
19.1	OBS	00000	05.42	33.10	26.14		1470.2							
	STD	00010	04.92	33.28	26.34	00.018	1468.6							
	OBS	00010	04.92	33.280	26.34		1468.6							
	STD	00020	04.66	33.28	26.37	00.035	1467.6							
	OBS	00020	04.66	33.280	26.37		1467.6							
	STD	00030	04.41	33.28	26.40	00.051	1466.8							
	OBS	00030	04.41	33.280	26.40		1466.8							
	STD	00050	03.87	33.28	26.45	00.083	1464.8							
	OBS	00050	03.87	33.280	26.45		1464.8							
	STD	00075	03.45	33.28	26.50	00.123	1463.4							
	OBS	00075	03.45	33.280	26.50		1463.4							
	STD	00100	03.29	33.33	26.55	00.161	1463.2							
	OBS	00100	03.29	33.330	26.55		1463.2							
	STD	00125	04.98	33.80	26.75	00.196	1471.4							
	OBS	00125	04.98	33.800	26.75		1471.4							
	OBS	00131	05.20	33.880	26.79		1472.5							
	STD	00150	04.72	33.96	26.90	00.227	1470.9							
	OBS	00150	04.72	33.960	26.90		1470.9							
	OBS	00176	04.69	34.050	26.98		1471.4							
	STD	00200	04.61	34.14	27.06	00.282	1471.5							
	OBS	00200	04.61	34.140	27.06		1471.5							
	OBS	00226	04.53	34.180	27.10		1471.7							
	STD	00250	04.58	34.26	27.16	00.332	1472.4							
	OBS	00250	04.58	34.260	27.16		1472.4							
	OBS	00274	05.03	34.420	27.23		1474.9							
	OBS	00285	05.20	34.450	27.24		1475.8							
	STD	00300	05.06	34.43	27.24	00.377	1475.4							
	OBS	00300	05.06	34.430	27.24		1475.4							
	OBS	00324	05.30	34.530	27.29		1476.9							
	OBS	00346	05.18	34.540	27.31		1476.8							
	OBS	00358	05.38	34.610	27.34		1477.9							
	OBS	00377	05.14	34.590	27.36		1477.2							
	STD	00400	05.20	34.64	27.39	00.458	1477.9							
	OBS	00400	05.20	34.640	27.39		1477.9							
	OBS	00451	04.71	34.620	27.43		1476.7							
	STD	00500	04.67	34.68	27.48	00.529	1477.5							
	OBS	00500	04.67	34.680	27.48		1477.5							
	OBS	00550	04.77	34.740	27.52		1478.8							
	STD	00600	04.70	34.77	27.55	00.593	1479.4							
	OBS	00600	04.70	34.770	27.55		1479.4							
	OBS	00650	04.75	34.810	27.57		1480.4							
	STD	00700	04.47	34.81	27.61	00.652	1480.1							
	OBS	00700	04.47	34.810	27.61		1480.1							
	OBS	00749	04.40	34.840	27.64		1480.7							
	STD	00800	04.30	34.86	27.66	00.706	1481.1							
	OBS	00800	04.30	34.860	27.66		1481.1							
	OBS	00850	04.22	34.890	27.70		1481.7							
	STD	00900	04.22	34.91	27.71	00.756	1482.5							
	OBS	00900	04.22	34.910	27.71		1482.5							
	OBS	00951	04.12	34.930	27.74		1483.0							
	STD	01000	04.10	34.96	27.76	00.802	1483.8							
	OBS	01009	04.08	34.960	27.77		1483.8							
	OBS	01034	04.00	34.960	27.78		1483.9							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID 31 8370	YEAR 1974	BOTDP 03658	AIR TEMP 07.7	DIR HGT PER	WIND-DIR 15	INST STD RECORDER	TEN SQ 1306
CONSEC 0016	MONTH 04	SHIP EV	WET BULB 07.2	16 1 3	WIND-SPD 15	TRACE DIR D	5 SQUARE 2
LAT 44 25.9N	DAY 10	DATA USE I	BAROMETR 1031.4	SEA	WIND-FOR	DURATION 00.8	2 SQUARE 44
LONG 045 38.5W	HOUR 23.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 506	1 SQUARE 45

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.61	33.11	26.24	00.000	1466.9							
23.3	OBS	00000	04.61	33.110	26.24		1466.9							
	STD	00010	05.27	33.44	26.43	00.017	1470.2							
	OBS	00010	05.27	33.440	26.43		1470.2							
	STD	00020	05.29	33.48	26.46	00.033	1470.5							
	OBS	00023	05.30	33.490	26.47		1470.6							
	STD	00030	05.28	33.52	26.49	00.049	1470.7							
	OBS	00030	05.28	33.520	26.49		1470.7							
	STD	00050	05.29	33.56	26.52	00.079	1471.1							
	OBS	00050	05.29	33.560	26.52		1471.1							
	OBS	00069	05.53	33.610	26.53		1472.5							
	STD	00075	05.29	33.60	26.55	00.117	1471.6							
	OBS	00084	05.22	33.580	26.55		1471.4							
	OBS	00092	05.46	33.630	26.56		1472.6							
	STD	00100	04.75	33.62	26.63	00.154	1469.8							
	OBS	00100	04.75	33.620	26.63		1469.8							
	OBS	00112	04.52	33.620	26.66		1469.0							
	OBS	00119	05.30	33.850	26.75		1472.7							
	STD	00125	05.08	33.93	26.84	00.187	1472.0							
	OBS	00125	05.08	33.930	26.84		1472.0							
	STD	00150	05.37	34.03	26.89	00.217	1473.7							
	OBS	00150	05.37	34.030	26.89		1473.7							
	OBS	00177	05.36	34.090	26.93		1474.2							
	STD	00200	04.65	34.06	26.99	00.274	1471.6							
	OBS	00200	04.65	34.060	26.99		1471.6							
	OBS	00219	04.81	34.130	27.03		1472.7							
	OBS	00231	04.57	34.140	27.06		1471.9							
	OBS	00245	04.75	34.190	27.08		1472.9							
	STD	00250	04.56	34.25	27.15	00.326	1472.3							
	OBS	00250	04.56	34.250	27.15		1472.3							
	OBS	00275	05.25	34.380	27.18		1475.7							
	OBS	00294	04.82	34.360	27.21		1474.3							
	STD	00300	04.91	34.40	27.23	00.371	1474.8							
	OBS	00300	04.91	34.400	27.23		1474.8							
	OBS	00321	05.20	34.460	27.25		1476.4							
	OBS	00352	04.89	34.440	27.27		1475.6							
	OBS	00369	04.63	34.470	27.32		1474.8							
	STD	00400	04.97	34.56	27.35	00.454	1476.9							
	OBS	00400	04.97	34.560	27.35		1476.9							
	OBS	00451	04.84	34.630	27.42		1477.3							
	STD	00500	04.73	34.66	27.46	00.528	1477.7							
	OBS	00500	04.73	34.660	27.46		1477.7							
	OBS	00552	04.69	34.710	27.50		1478.4							
	STD	00600	04.66	34.75	27.54	00.593	1479.2							
	OBS	00600	04.66	34.750	27.54		1479.2							
	OBS	00651	04.55	34.770	27.57		1479.6							
	STD	00700	04.36	34.79	27.60	00.653	1479.6							
	OBS	00700	04.36	34.790	27.60		1479.6							
	OBS	00751	04.33	34.820	27.63		1480.4							
	STD	00800	04.29	34.85	27.66	00.707	1481.1							
	OBS	00800	04.29	34.850	27.66		1481.1							
	OBS	00851	04.24	34.880	27.69		1481.8							
	STD	00900	04.19	34.91	27.72	00.758	1482.4							
	OBS	00900	04.19	34.910	27.72		1482.4							
	OBS	00952	04.14	34.920	27.73		1483.1							
	STD	01000	04.00	34.94	27.76	00.804	1483.3							
	OBS	01000	04.00	34.940	27.76		1483.3							
	OBS	01021	04.04	34.960	27.77		1483.9							

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REFID 31 8370	YEAR 1974	BOTDP 03178	AIR TEMP 07.7	DIR HGT PER	WIND-DIR 18	INST STD RECORDER	TEN SQ 1306
CONSEC 0017	MONTH 04	SHIP EV	WET BULB 07.2	16 1 3	WIND-SPD 18	TRACE DIR D	5 SQUARE 2
LAT 44 44.0N	DAY 11	DATA USE 1	BAROMETR 1028.3	SEA	WIND-FOR	DURATION 00.8	2 SQUARE 46
LONG 046 05.5W	HOUR 03.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG 011 507	1 SQUARE 46

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.70	33.20	26.41	00.000	1463.2							
03.0	OBS	00000	03.70	33.200	26.41		1463.2							
	STD	00010	03.69	33.20	26.41	00.016	1463.3							
	OBS	00010	03.69	33.200	26.41		1463.3							
	STD	00020	03.48	33.19	26.42	00.033	1462.5							
	OBS	00020	03.48	33.190	26.42		1462.5							
	STD	00030	03.22	33.22	26.47	00.048	1461.6							
	OBS	00030	03.22	33.220	26.47		1461.6							
	STD	00050	03.09	33.23	26.49	00.080	1461.4							
	OBS	00050	03.09	33.230	26.49		1461.4							
	STD	00075	02.90	33.23	26.51	00.118	1461.0							
	OBS	00075	02.90	33.230	26.51		1461.0							
	OBS	00094	02.78	33.240	26.52		1460.8							
	STD	00100	02.88	33.29	26.55	00.156	1461.4							
	OBS	00100	02.88	33.290	26.55		1461.4							
	OBS	00115	02.62	33.290	26.58		1460.5							
	STD	00125	03.15	33.59	26.77	00.191	1463.4							
	OBS	00125	03.15	33.590	26.77		1463.4							
	STD	00150	04.09	33.97	26.98	00.221	1468.3							
	OBS	00150	04.09	33.970	26.98		1468.3							
	OBS	00166	04.63	34.090	27.02		1471.0							
	OBS	00175	04.18	34.160	27.12		1469.4							
	STD	00200	04.53	34.20	27.12	00.273	1471.3							
	OBS	00200	04.53	34.200	27.12		1471.3							
	OBS	00223	04.43	34.220	27.14		1471.3							
	OBS	00247	05.17	34.390	27.19		1475.0							
	STD	00250	05.13	34.38	27.19	00.320	1474.8							
	OBS	00250	05.13	34.380	27.19		1474.8							
	OBS	00266	04.72	34.460	27.30		1473.5							
	STD	00300	04.78	34.45	27.29	00.364	1474.3							
	OBS	00300	04.78	34.450	27.29		1474.3							
	STD	00400	04.67	34.59	27.41	00.442	1475.7							
	OBS	00400	04.67	34.590	27.41		1475.7							
	STD	00500	04.64	34.69	27.49	00.510	1477.3							
	OBS	00500	04.64	34.690	27.49		1477.3							
	STD	00600	04.46	34.75	27.56	00.573	1478.3							
	OBS	00600	04.46	34.750	27.56		1478.3							
	STD	00700	04.24	34.79	27.62	00.631	1479.1							
	OBS	00700	04.24	34.790	27.62		1479.1							
	STD	00800	04.23	34.86	27.67	00.684	1480.8							
	OBS	00800	04.23	34.860	27.67		1480.8							
	STD	00900	04.04	34.90	27.72	00.733	1481.8							
	OBS	00900	04.04	34.900	27.72		1481.8							
	STD	01000	03.95	34.94	27.77	00.778	1483.1							
	OBS	01000	03.95	34.940	27.77		1483.1							
	OBS	01020	03.91	34.950	27.78		1483.3							

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REFID 31 8370	YEAR 1974	BOTDP 03499	AIR TEMP 08.6	DIR HGT PER	WIND-DIR 19	INST STD RECORDER	TEN SQ 1306
CONSEC 0018	MONTH 04	SHIP EV	WET BULB 07.8	22 2 3	WIND-SPD 20	TRACE DIR D	5 SQUARE 4
LAT 45 03.5N	DAY 11	DATA USE 1	BAROMETR 1024.8	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 046 40.0W	HOUR 07.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 508	1 SQUARE 56

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.73	33.09	26.41	00.000	1458.8							
07.0	OBS	00000	02.73	33.090	26.41		1458.8							
	STD	00010	02.74	33.09	26.41	00.016	1459.1							
	OBS	00010	02.74	33.090	26.41		1459.1							
	STD	00020	02.73	33.08	26.40	00.033	1459.2							
	OBS	00020	02.73	33.080	26.40		1459.2							
	STD	00030	02.62	33.11	26.43	00.049	1458.9							
	OBS	00030	02.62	33.110	26.43		1458.9							
	STD	00050	02.22	33.13	26.48	00.081	1457.5							
	OBS	00050	02.22	33.130	26.48		1457.5							
	OBS	00064	02.23	33.140	26.49		1457.8							
	STD	00075	03.28	33.31	26.53	00.119	1462.7							
	OBS	00088	03.67	33.380	26.55		1464.7							
	STD	00100	03.21	33.32	26.55	00.157	1462.9							
	OBS	00100	03.21	33.320	26.55		1462.9							
	STD	00125	03.83	33.87	26.93	00.190	1466.7							
	OBS	00125	03.83	33.870	26.93		1466.7							
	STD	00150	04.16	34.02	27.01	00.217	1468.7							
	STD	00200	04.64	34.26	27.15	00.268	1471.8							
	OBS	00200	04.64	34.260	27.15		1471.8							
	STD	00250	04.80	34.41	27.25	00.313	1473.5							
	OBS	00280	04.90	34.470	27.29		1474.5							
	STD	00300	04.80	34.50	27.32	00.354	1474.5							
	OBS	00300	04.80	34.500	27.32		1474.5							
	STD	00400	04.53	34.60	27.43	00.429	1475.1							
	OBS	00400	04.53	34.600	27.43		1475.1							
	STD	00500	04.37	34.68	27.51	00.495	1476.2							
	OBS	00500	04.37	34.680	27.51		1476.2							
	STD	00600	04.25	34.74	27.57	00.556	1477.5							
	OBS	00600	04.25	34.740	27.57		1477.5							
	STD	00700	04.15	34.79	27.63	00.612	1478.8							
	OBS	00700	04.15	34.790	27.63		1478.8							
	STD	00800	04.02	34.83	27.67	00.665	1479.9							
	OBS	00800	04.02	34.830	27.67		1479.9							
	STD	00900	03.88	34.88	27.72	00.713	1481.1							
	OBS	00900	03.88	34.880	27.72		1481.1							
	STD	01000	03.77	34.94	27.78	00.757	1482.4							
	OBS	01000	03.77	34.940	27.78		1482.4							
	OBS	01020	03.79	34.940	27.78		1482.8							

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REFID 31 8370	YEAR 1974	BOTDP 03308	AIR TEMP 08.5	DIR HGT PER	WIND-DIR 14	INST STD RECORDER	TEN SQ 1306
CONSEC 0019	MONTH 04	SHIP EV	WET BULB 07.9	16 3 3	WIND-SPD 20	TRACE DIR D	5 SQUARE 4
LAT 45 13.0N	DAY 11	DATA USE I	BAROMETR 1023.1	SEA	WIND-FOR	DURATION 00.7	2 SQUARE 46
LONG 046 55.0W	HOUR 09.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 509 12	1 SQUARE 56

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.43	33.20	26.43	00.000	1462.0							
09.7	OBS	00000	03.43	33.200	26.43		1462.0							
	STD	00010	03.42	33.20	26.43	00.016	1462.1							
	OBS	00010	03.42	33.200	26.43		1462.1							
	STD	00020	03.41	33.20	26.44	00.032	1462.3							
	STD	00030	03.35	33.21	26.45	00.048	1462.2							
	OBS	00030	03.35	33.210	26.45		1462.2							
	STD	00050	03.06	33.22	26.48	00.080	1461.3							
	OBS	00050	03.06	33.220	26.48		1461.3							
	STD	00075	02.86	33.25	26.52	00.118	1460.9							
	OBS	00075	02.86	33.250	26.52		1460.9							
	STD	00100	02.74	33.30	26.57	00.156	1460.8							
	OBS	00100	02.74	33.300	26.57		1460.8							
	STD	00125	03.92	33.79	26.85	00.189	1466.9							
	OBS	00125	03.92	33.790	26.85		1466.9							
	STD	00150	04.16	33.97	26.97	00.218	1468.6							
	STD	00200	04.50	34.24	27.15	00.270	1471.2							
	OBS	00200	04.50	34.240	27.15		1471.2							
	STD	00250	04.65	34.40	27.26	00.314	1472.9							
	OBS	00250	04.65	34.400	27.26		1472.9							
	STD	00300	04.65	34.48	27.32	00.355	1473.8							
	OBS	00300	04.65	34.480	27.32		1473.8							
	STD	00400	04.54	34.61	27.44	00.429	1475.2							
	OBS	00400	04.54	34.610	27.44		1475.2							
	STD	00500	04.41	34.68	27.51	00.496	1476.4							
	OBS	00500	04.41	34.680	27.51		1476.4							
	OBS	00550	04.30	34.710	27.55		1476.8							
	STD	00600	04.23	34.74	27.58	00.557	1477.4							
	OBS	00600	04.23	34.740	27.58		1477.4							
	STD	00700	04.10	34.78	27.62	00.613	1478.5							
	OBS	00700	04.10	34.780	27.62		1478.5							
	STD	00800	04.01	34.83	27.67	00.666	1479.9							
	OBS	00800	04.01	34.830	27.67		1479.9							
	OBS	00845	03.89	34.850	27.70		1480.2							
	OBS	00860	04.05	34.880	27.71		1481.1							
	OBS	00880	03.86	34.870	27.72		1480.6							
	STD	00900	03.92	34.88	27.72	00.714	1481.2							
	OBS	00900	03.92	34.880	27.72		1481.2							
	STD	01000	03.77	34.93	27.78	00.759	1482.3							
	OBS	01000	03.77	34.930	27.78		1482.3							
	OBS	01020	03.72	34.930	27.78		1482.5							

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REFID 31 8370	YEAR 1974	BOTOP 02276	AIR TEMP 08.3	DIR HGT PER	WIND-DIR 17	INST STD RECORDER	TEN SQ 1306
CONSEC 0020	MONTH 04	SHIP EV	WET BULB 07.8	19 3 3	WIND-SPD 25	TRACE DIR D	5 SQUARE 4
LAT 45 21.0N	DAY 11	DATA USE I	BAROMETR 1020.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 12.3W	HOUR 12.9	AREA D5	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 510 11	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.15	33.14	26.41	00.000	1460.7							
12.9	OBS	00000	03.15	33.140	26.41		1460.7							
	STD	00010	03.14	33.14	26.41	00.016	1460.8							
	OBS	00010	03.14	33.140	26.41		1460.8							
	STD	00020	03.13	33.15	26.42	00.032	1461.0							
	OBS	00020	03.13	33.150	26.42		1461.0							
	STD	00030	03.13	33.15	26.42	00.049	1461.1							
	OBS	00030	03.13	33.150	26.42		1461.1							
	OBS	00040	03.08	33.140	26.42		1461.1							
	STD	00050	02.68	33.11	26.43	00.081	1459.5							
	OBS	00050	02.68	33.110	26.43		1459.5							
	OBS	00057	02.32	33.140	26.48		1458.1							
	STD	00075	02.24	33.17	26.51	00.120	1458.0							
	OBS	00075	02.24	33.170	26.51		1458.0							
	OBS	00085	02.21	33.190	26.53		1458.1							
	OBS	00088	01.80	33.140	26.52		1456.3							
	OBS	00093	02.12	33.290	26.62		1458.0							
	STD	00100	02.65	33.65	26.86	00.154	1460.9							
	OBS	00100	02.65	33.650	26.86		1460.9							
	OBS	00110	04.31	33.900	26.90		1468.5							
	OBS	00115	04.42	33.920	26.91		1469.1							
	STD	00125	04.25	33.91	26.92	00.184	1468.5							
	OBS	00125	04.25	33.910	26.92		1468.5							
	OBS	00132	04.00	33.900	26.93		1467.5							
	STD	00150	04.72	34.10	27.02	00.212	1471.1							
	OBS	00150	04.72	34.100	27.02		1471.1							
	OBS	00160	04.36	34.080	27.04		1469.8							
	OBS	00168	04.41	34.110	27.06		1470.1							
	OBS	00180	05.04	34.280	27.12		1473.2							
	OBS	00190	04.74	34.250	27.13		1472.1							
	STD	00200	04.63	34.25	27.14	00.262	1471.8							
	OBS	00200	04.63	34.250	27.14		1471.8							
	OBS	00222	04.86	34.370	27.21		1473.2							
	OBS	00235	04.65	34.340	27.21		1472.5							
	STD	00250	04.72	34.43	27.28	00.307	1473.2							
	OBS	00250	04.72	34.430	27.28		1473.2							
	OBS	00275	04.84	34.480	27.30		1474.2							
	STD	00300	04.78	34.51	27.33	00.347	1474.4							
	OBS	00300	04.78	34.510	27.33		1474.4							
	STD	00400	04.89	34.64	27.42	00.422	1476.7							
	OBS	00400	04.89	34.640	27.42		1476.7							
	OBS	00470	04.38	34.640	27.48		1475.7							
	STD	00500	04.38	34.67	27.51	00.489	1476.3							
	OBS	00550	04.39	34.720	27.54		1477.2							
	STD	00600	04.23	34.75	27.58	00.550	1477.4							
	OBS	00650	04.14	34.770	27.61		1477.9							
	STD	00700	04.11	34.79	27.63	00.606	1478.6							
	OBS	00700	04.11	34.790	27.63		1478.6							
	OBS	00750	04.04	34.820	27.66		1479.2							
	STD	00800	04.01	34.84	27.68	00.658	1479.9							
	OBS	00800	04.01	34.840	27.68		1479.9							
	STD	00900	03.94	34.89	27.73	00.706	1481.3							
	OBS	00900	03.94	34.890	27.73		1481.3							
	OBS	00980	03.90	34.940	27.77		1482.6							
	STD	01000	03.87	34.94	27.77	00.750	1482.8							
	OBS	01000	03.87	34.940	27.77		1482.8							
	OBS	01020	03.85	34.960	27.79		1483.1							

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REFID 31 8370	YEAR 1974	BOTDP 02102	AIR TEMP. 06.5	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1306
CONSEC 0021	MONTH 04	SHIP EV	WET BULB 05.8	19 2 2	WIND-SPD 30	TRACE DIR D	5 SQUARE 4
LAT 45 30.8N	DAY 11	DATA USE 1	BAROMETR 1010.8	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 047 28.0W	HOUR 15.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 511 18	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.98	32.76	26.36	00.000	1441.6							
15.6	OBS	00000	- 0.98	32.760	26.36		1441.6							
	STD	00010	- 0.99	32.77	26.37	00.017	1441.8							
	OBS	00010	- 0.99	32.770	26.37		1441.8							
	STD	00020	- 1.01	32.78	26.38	00.033	1441.8							
	STD	00030	- 1.04	32.79	26.39	00.050	1441.9							
	OBS	00030	- 1.04	32.790	26.39		1441.9							
	STD	00050	- 1.40	32.83	26.43	00.082	1440.6							
	OBS	00050	- 1.40	32.830	26.43		1440.6							
	OBS	00060	- 1.42	32.850	26.45		1440.7							
	STD	00075	- 0.94	33.05	26.59	00.121	1443.5							
	OBS	00075	- 0.94	33.050	26.59		1443.5							
	OBS	00085	00.08	33.210	26.68		1448.6							
	OBS	00095	03.17	33.770	26.91		1463.2							
	STD	00100	03.44	33.83	26.93	00.153	1464.5							
	OBS	00100	03.44	33.830	26.93		1464.5							
	STD	00125	04.73	34.08	27.00	00.181	1470.7							
	OBS	00125	04.73	34.080	27.00		1470.7							
	STD	00150	04.40	34.19	27.12	00.206	1469.9							
	OBS	00180	04.39	34.250	27.17		1470.4							
	OBS	00190	04.48	34.250	27.16		1471.0							
	STD	00200	04.38	34.25	27.17	00.253	1470.7							
	OBS	00200	04.38	34.250	27.17		1470.7							
	STD	00250	04.34	34.39	27.29	00.297	1471.6							
	OBS	00250	04.34	34.390	27.29		1471.6							
	OBS	00270	04.51	34.450	27.32		1472.7							
	OBS	00280	04.38	34.480	27.35		1472.4							
	STD	00300	04.63	34.52	27.36	00.336	1473.8							
	OBS	00300	04.63	34.520	27.36		1473.8							
	OBS	00370	04.80	34.610	27.41		1475.8							
	STD	00400	04.47	34.61	27.45	00.409	1474.9							
	OBS	00400	04.47	34.610	27.45		1474.9							
	STD	00500	04.29	34.67	27.51	00.475	1475.9							
	OBS	00505	04.28	34.670	27.52		1475.9							
	OBS	00550	04.33	34.710	27.54		1476.9							
	OBS	00570	04.43	34.730	27.55		1477.7							
	STD	00600	04.27	34.75	27.58	00.535	1477.5							
	OBS	00600	04.27	34.750	27.58		1477.5							
	STD	00700	04.19	34.79	27.62	00.591	1478.9							
	OBS	00700	04.19	34.790	27.62		1478.9							
	OBS	00758	04.05	34.820	27.66		1479.3							
	STD	00800	04.00	34.83	27.67	00.644	1479.8							
	OBS	00800	04.00	34.830	27.67		1479.8							
	OBS	00875	03.97	34.880	27.72		1481.0							
	STD	00900	03.93	34.89	27.73	00.692	1481.3							
	OBS	00900	03.93	34.890	27.73		1481.3							
	STD	01000	03.92	34.95	27.78	00.737	1483.0							
	OBS	01000	03.92	34.950	27.78		1483.0							

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REFID 31 8370 | YEAR 1974 | BOTDP 01292 | AIR TEMP 06.2 | DIR HGT PER | WIND-DIR 17 | INST STD RECORDER | TEN SQ 1306
CONSEC 0022 | MONTH 04 | SHIP EV | WET BULB 05.8 | 19 4 5 | WIND-SPD 27 | TRACE DIR D | 5 SQUARE 4
LAT 45 39.5N | DAY 11 | DATA USE 1 | BAROMETR 1014.6 | SEA | WIND-FOR | DURATION | 2 SQUARE 46
LONG 047 44.5W | HOUR 18.5 | AREA 05 | CLOUD T/A | CL/TR | WEATHER X4 | ORIG 011 512 26 | 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.32	32.58	26.22	00.000	1439.8							
	OBS	00000	- 1.32	32.580	26.22		1439.8							
	STD	00010	- 1.33	32.60	26.24	00.018	1439.9							
	OBS	00010	- 1.33	32.600	26.24		1439.9							
	STD	00020	- 1.32	32.60	26.24	00.036	1440.1							
	OBS	00020	- 1.32	32.600	26.24		1440.1							
	STD	00030	- 1.60	32.66	26.30	00.053	1439.1							
	STD	00050	- 1.78	32.78	26.40	00.087	1438.7							
	OBS	00050	- 1.78	32.780	26.40		1438.7							
	STD	00075	- 1.31	32.92	26.50	00.127	1441.5							
	OBS	00075	- 1.31	32.920	26.50		1441.5							
	STD	00100	- 0.76	33.16	26.68	00.163	1444.9							
	OBS	00100	- 0.76	33.160	26.68		1444.9							
	STD	00125	00.26	33.49	26.90	00.195	1450.4							
	OBS	00125	00.26	33.490	26.90		1450.4							
	STD	00150	00.85	33.69	27.02	00.222	1453.8							
	OBS	00150	00.85	33.690	27.02		1453.8							
	OBS	00177	01.45	33.870	27.13		1457.2							
	STD	00200	01.92	33.98	27.18	00.271	1459.8							
	OBS	00200	01.92	33.980	27.18		1459.8							
	OBS	00227	01.99	34.030	27.22		1460.6							
	STD	00250	02.34	34.13	27.27	00.314	1462.7							
	OBS	00250	02.34	34.130	27.27		1462.7							
	OBS	00277	02.57	34.180	27.29		1464.2							
	STD	00300	02.80	34.25	27.33	00.354	1465.7							
	OBS	00300	02.80	34.250	27.33		1465.7							
	OBS	00329	03.17	34.350	27.37		1467.9							
	OBS	00349	03.09	34.350	27.38		1467.9							
	STD	00400	03.46	34.46	27.43	00.427	1470.4							
	OBS	00400	03.46	34.460	27.43		1470.4							
	OBS	00414	03.72	34.490	27.43		1471.8							
	OBS	00424	03.63	34.470	27.42		1471.6							
	OBS	00449	03.82	34.530	27.45		1472.9							
	STD	00500	03.92	34.59	27.49	00.494	1474.2							
	OBS	00500	03.92	34.590	27.49		1474.2							
	OBS	00551	03.92	34.630	27.52		1475.1							
	STD	00600	03.86	34.66	27.55	00.556	1475.7							
	OBS	00600	03.86	34.660	27.55		1475.7							
	OBS	00651	03.76	34.690	27.59		1476.2							
	STD	00700	03.74	34.73	27.62	00.613	1477.0							
	OBS	00700	03.74	34.730	27.62		1477.0							
	OBS	00751	03.72	34.750	27.64		1477.7							
	OBS	00794	03.66	34.790	27.68		1478.3							
	STD	00800	03.66	34.79	27.68	00.665	1478.4							
	STD	00900	03.65	34.84	27.72	00.713	1480.1							
	OBS	00900	03.65	34.840	27.72		1480.1							
	STD	01000	03.63	34.89	27.76	00.758	1481.7							
	OBS	01000	03.63	34.890	27.76		1481.7							

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REFID 31 8370 | YEAR 1974 | BOTDP 00545 | AIR TEMP 06.2 | DIR HGT PER | WIND-DIR 17 | INST STD RECORDER | TEN SQ 1306
CONSEC 0023 | MONTH 04 | SHIP EV | WET BULB 05.8 | 18 4 5 | WIND-SPD 20 | TRACE DIR D | 5 SQUARE 4
LAT 45 47.2N | DAY 11 | DATA USE 1 | BAROMETR 1010.4 | SEA | WIND-FOR | DURATION 00.2 | 2 SQUARE 46
LONG 047 58.0W | HOUR 20.6 | AREA 05 | CLOUD T/A | CL/TR | WEATHER X4 | ORIG 011 513 18 | 1 SQUARE 5

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.37	32.57	26.22	00.000	1439.5							
20.6	OBS	00000	- 1.37	32.570	26.22		1439.5							
	STD	00010	- 1.37	32.58	26.23	00.018	1439.7							
	OBS	00010	- 1.37	32.580	26.23		1439.7							
	STD	00020	- 1.38	32.59	26.23	00.036	1439.8							
	OBS	00020	- 1.38	32.590	26.23		1439.8							
	STD	00030	- 1.37	32.59	26.23	00.054	1440.1							
	OBS	00030	- 1.37	32.590	26.23		1440.1							
	STD	00050	- 1.76	32.65	26.29	00.089	1438.6							
	OBS	00050	- 1.76	32.650	26.29		1438.6							
	STD	00075	- 1.72	32.78	26.40	00.131	1439.4							
	OBS	00075	- 1.72	32.780	26.40		1439.4							
	STD	00100	- 1.53	32.91	26.50	00.171	1440.9							
	OBS	00100	- 1.53	32.910	26.50		1440.9							
	OBS	00114	- 1.51	33.040	26.60		1441.4							
	STD	00125	- 0.76	33.15	26.67	00.207	1445.3							
	OBS	00125	- 0.76	33.150	26.67		1445.3							
	OBS	00145	00.26	33.350	26.78		1450.6							
	STD	00150	00.26	33.35	26.78	00.240	1450.7							
	OBS	00150	00.26	33.350	26.78		1450.7							
	OBS	00175	00.32	33.380	26.81		1451.4							
	STD	00200	00.34	33.40	26.82	00.303	1451.9							
	OBS	00200	00.34	33.400	26.82		1451.9							
	OBS	00225	00.39	33.440	26.85		1452.6							
	STD	00250	00.44	33.48	26.88	00.363	1453.3							
	OBS	00250	00.44	33.480	26.88		1453.3							
	OBS	00266	00.46	33.490	26.89		1453.7							
	OBS	00275	00.71	33.600	26.96		1455.1							
	STD	00300	00.85	33.69	27.02	00.419	1456.3							
	OBS	00300	00.85	33.690	27.02		1456.3							
	OBS	00350	01.15	33.820	27.11		1458.6							
	STD	00400	01.85	34.17	27.34	00.509	1463.1							
	OBS	00400	01.85	34.170	27.34		1463.1							
	OBS	00419	02.71	34.320	27.39		1467.3							
	OBS	00450	02.62	34.510	27.46		1472.0							
	OBS	00465	03.85	34.560	27.47		1473.3							
	STD	00500	03.82	34.60	27.51	00.579	1473.8							
	OBS	00500	03.82	34.600	27.51		1473.8							
	OBS	00535	03.83	34.620	27.52		1474.4							

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REFID 31 8370 YEAR 1974 BOTDP 00190 AIR TEMP 04.6 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1306
CONSEC 0024 MONTH 04 SHIP EV WET BULB 04.2 22 3 2 WIND-SPD 20 TRACE DIR D 5 SQUARE 4
LAT 45 50.0N DAY 11 DATA USE 1 BAROMETR 1010.8 SEA WIND-FOR DURATION 00.1 2 SQUARE 48
LONG 048 05.3W HOUR 22.0 AREA 05 CLOUD T/A CL/TR WEATHER X5 ORIG 011 514 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.32	32.56	26.21	00.000	1439.8							
22.0	OBS	00000	- 1.32	32.560	26.21		1439.8							
	STD	00010	- 1.32	32.57	26.22	00.018	1439.9							
	OBS	00010	- 1.32	32.570	26.22		1439.9							
	STD	00020	- 1.32	32.57	26.22	00.036	1440.1							
	OBS	00020	- 1.32	32.570	26.22		1440.1							
	STD	00030	- 1.31	32.59	26.23	00.054	1440.3							
	OBS	00030	- 1.31	32.590	26.23		1440.3							
	STD	00050	- 1.34	32.60	26.24	00.090	1440.5							
	OBS	00050	- 1.34	32.600	26.24		1440.5							
	STD	00075	- 1.74	32.71	26.34	00.133	1439.2							
	OBS	00075	- 1.74	32.710	26.34		1439.2							
	OBS	00088	- 1.59	32.760	26.38		1440.2							
	STD	00100	- 1.63	32.90	26.49	00.174	1440.4							
	OBS	00100	- 1.63	32.900	26.49		1440.4							

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REFID 31 8370 YEAR 1974 BOTDP 00106 AIR TEMP 02.2 DIR HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1306
CONSEC 0025 MONTH 04 SHIP EV WET BULB 02.2 18 4 5 WIND-SPD 18 TRACE DIR D 5 SQUARE 4
LAT 45 58.0N DAY 11 DATA USE 1 BAROMETR 1010.8 SEA WIND-FOR DURATION 00.1 2 SQUARE 48
LONG 048 15.4W HOUR 23.7 AREA 05 CLOUD T/A CL/TR WEATHER X5 ORIG 011 515 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.03	32.50	26.15	00.000	1441.0							
23.7	OBS	00000	- 1.03	32.500	26.15		1441.0							
	STD	00010	- 1.03	32.50	26.16	00.019	1441.2							
	OBS	00010	- 1.03	32.505	26.16		1441.2							
	STD	00020	- 1.05	32.51	26.16	00.037	1441.3							
	STD	00030	- 1.07	32.52	26.17	00.056	1441.3							
	STD	00050	- 1.12	32.54	26.19	00.093	1441.5							
	OBS	00050	- 1.12	32.540	26.19		1441.5							
	OBS	00068	- 1.50	32.620	26.26		1440.1							
	STD	00075	- 1.37	32.77	26.38	00.136	1441.1							
	OBS	00075	- 1.37	32.770	26.38		1441.1							
	OBS	00095	- 1.17	32.850	26.44		1442.4							
	STD	00100	- 1.17	32.85	26.44	00.177	1442.5							
	OBS	00100	- 1.17	32.850	26.44		1442.5							

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REFID 31 8370 YEAR 1974 BOTDP 00117 AIR TEMP 02.8 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1306
CONSEC 0026 MONTH 04 SHIP EV WET BULB 01.9 26 3 4 WIND-SPD 14 TRACE DIR D 5 SQUARE 4
LAT 46 02.8N DAY 12 DATA USE 1 BAROMETR 1008.9 SEA WIND-FOR DURATION 00.1 2 SQUARE 68
LONG 048 25.0W HOUR 04.1 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 516 1 SQUARE 68

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.95	32.51	26.16	00.000	1441.4							
04.1	OBS	00000	- 0.95	32.510	26.16		1441.4							
	STD	00010	- 0.95	32.53	26.17	00.019	1441.6							
	OBS	00010	- 0.95	32.530	26.17		1441.6							
	STD	00020	- 0.97	32.55	26.19	00.037	1441.7							
	OBS	00020	- 0.97	32.550	26.19		1441.7							
	STD	00030	- 1.10	32.58	26.22	00.055	1441.3							
	OBS	00030	- 1.10	32.580	26.22		1441.3							
	OBS	00041	- 1.44	32.590	26.24		1439.5							
	STD	00050	- 1.53	32.65	26.29	00.091	1439.7							
	OBS	00050	- 1.53	32.650	26.29		1439.7							
	STD	00075	- 1.71	32.77	26.39	00.133	1439.4							
	OBS	00075	- 1.71	32.770	26.39		1439.4							
	OBS	00084	- 1.36	32.900	26.48		1441.4							
	STD	00100	- 1.22	32.92	26.50	00.173	1442.4							
	OBS	00100	- 1.22	32.920	26.50		1442.4							
	OBS	00115	- 1.20	32.930	26.50		1442.7							

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REFID 31 8370 YEAR 1974 BOTDP 00085 AIR TEMP 01.9 DIR HGT PER WIND-DIR 28 INST STD RECORDER TEN SQ 1306
CONSEC 0027 MONTH 04 SHIP EV WET BULB 01.1 26 3 3 WIND-SPD 10 TRACE DIR D 5 SQUARE 4
LAT 46 08.0N DAY 12 DATA USE 1 BAROMETR 1009.1 SEA WIND-FOR DURATION 00.1 2 SQUARE 68
LONG 048 44.0W HOUR 07.1 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 517 1 SQUARE 68

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.66	32.26	25.95	00.000	1442.4							
07.1	OBS	00000	- 0.66	32.260	25.95		1442.4							
	STD	00010	- 0.66	32.27	25.95	00.021	1442.6							
	OBS	00010	- 0.66	32.270	25.95		1442.6							
	STD	00020	- 0.70	32.29	25.97	00.041	1442.6							
	OBS	00020	- 0.70	32.290	25.97		1442.6							
	STD	00030	- 0.77	32.30	25.98	00.062	1442.5							
	OBS	00030	- 0.77	32.300	25.98		1442.5							
	STD	00050	- 0.93	32.33	26.01	00.102	1442.1							
	OBS	00050	- 0.93	32.330	26.01		1442.1							
	STD	00075	- 1.35	32.41	26.09	00.151	1440.6							
	OBS	00075	- 1.35	32.410	26.09		1440.6							
	OBS	00084	- 1.36	32.420	26.10		1440.8							

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REFID 31 8370	YEAR 1974	BOTDP 03944	AIR TEMP 03.0	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CONSEC 0028	MONTH 04	SHIP EV	WET BULB 01.0	20 1 4	WIND-SPD 20	TRACE DIR D	5 SQUARE 4
LAT 45 33.6N	DAY 12	DATA USE 1	BAROMETR 1010.4	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 44
LONG 045 09.3W	HOUR 21.8	AREA 05	CLCUD T/A	CL/TR	WEATHER X7	CRIG 011 518	1 SQUARE 55

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNOPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.04	33.23	26.40	00.000	1464.6							
21.8	OBS	00000	04.04	33.230	26.40		1464.6							
	STD	00010	04.05	33.24	26.40	00.016	1464.9							
	STD	00020	04.08	33.24	26.40	00.033	1465.2							
	OBS	00020	04.08	33.240	26.40		1465.2							
	STD	00030	04.12	33.23	26.39	00.049	1465.5							
	OBS	00030	04.12	33.230	26.39		1465.5							
	OBS	00045	04.36	33.370	26.48		1466.9							
	STD	00050	04.18	33.36	26.49	00.081	1466.2							
	OBS	00055	04.02	33.350	26.50		1465.6							
	OBS	00070	03.64	33.330	26.52		1464.2							
	STD	00075	03.71	33.34	26.52	00.120	1464.6							
	OBS	00080	03.75	33.370	26.54		1464.9							
	OBS	00085	03.75	33.420	26.58		1465.1							
	OBS	00090	04.14	33.440	26.55 *		1466.8							
	STD	00100	03.70	33.43	26.59	00.157	1465.1							
	OBS	00100	03.70	33.430	26.59		1465.1							
	OBS	00120	05.13	33.790	26.72		1471.9							
	STD	00125	05.17	33.81	26.73	00.192	1472.2							
	OBS	00130	05.24	33.830	26.74		1472.6							
	OBS	00140	05.45	34.070	26.91		1473.9							
	STD	00150	05.29	34.03	26.90	00.224	1473.4							
	OBS	00150	05.29	34.030	26.90		1473.4							
	OBS	00180	04.86	34.080	26.98		1472.2							
	STD	00200	04.73	34.14	27.05	00.279	1472.0							
	OBS	00200	04.73	34.140	27.05		1472.0							
	OBS	00220	04.89	34.190	27.07		1473.1							
	OBS	00230	04.81	34.190	27.08		1472.9							
	STD	00250	05.15	34.28	27.11	00.330	1474.8							
	OBS	00250	05.15	34.280	27.11		1474.8							
	OBS	00275	04.73	34.280	27.16		1473.5							
	STD	00300	05.18	34.47	27.26	00.377	1476.0							
	OBS	00300	05.18	34.470	27.26		1476.0							
	OBS	00350	05.35	34.590	27.33		1477.7							
	STD	00400	05.16	34.61	27.37	00.458	1477.7							
	OBS	00400	05.16	34.610	27.37		1477.7							
	OBS	00450	04.97	34.610	27.39		1477.8							
	STD	00500	04.84	34.71	27.49	00.529	1478.2							
	OBS	00500	04.84	34.710	27.49		1478.2							
	OBS	00550	04.68	34.740	27.53		1478.4							
	STD	00600	04.54	34.77	27.57	00.592	1478.7							
	OBS	00600	04.54	34.770	27.57		1478.7							
	OBS	00650	04.30	34.760	27.59		1478.5							
	STD	00700	04.21	34.75	27.59	00.651	1479.0							
	OBS	00700	04.21	34.750	27.59		1479.0							
	OBS	00750	04.16	34.820	27.65		1479.7							
	STD	00800	04.21	34.84	27.66	00.706	1480.7							
	OBS	00800	04.21	34.840	27.66		1480.7							
	OBS	00850	04.04	34.810	27.65		1480.8							
	STD	00900	04.12	34.92	27.73	00.755	1482.1							
	OBS	00900	04.12	34.920	27.73		1482.1							
	OBS	00950	04.09	34.950	27.76		1482.9							
	STD	01000	04.00	34.97	27.78	00.800	1483.4							
	OBS	01000	04.00	34.970	27.78		1483.4							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID 31 8370 YEAR 1974 BOTDP 03109 AIR TEMP 00.2 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1306
CONSEC 0029 MONTH 04 SHIP EV WET BULB 00.2 25 3 2 WIND-SPD 27 TRACE DIR D 5 SQUARE 4
LAT 45 47.5N DAY 13 DATA USE 1 BAROMETR 1012.8 SEA WIND-FOR DURATION 00.6 2 SQUARE 44
LONG 045 48.0W HOUR 03.2 AREA 05 CLOUD T/A CL/TR WEATHER X7 ORIG 011 519 1 SQUARE 55

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.92	33.83	26.89	00.000	1465.0							
03.2	OBS	00000	03.92	33.835	26.89		1465.0							
	STD	00010	03.92	33.84	26.89	00.012	1465.1							
	OBS	00010	03.92	33.837	26.89		1465.1							
	STD	00020	03.92	33.84	26.89	00.023	1465.3							
	OBS	00020	03.92	33.840	26.89		1465.3							
	STD	00030	03.93	33.85	26.90	00.035	1465.5							
	OBS	00030	03.93	33.847	26.90		1465.5							
	STD	00050	03.98	33.86	26.91	00.058	1466.1							
	OBS	00050	03.98	33.861	26.91		1466.1							
	OBS	00062	04.19	33.949	26.95		1467.3							
	STD	00075	03.84	33.99	27.02	00.086	1466.1							
	OBS	00075	03.84	33.990	27.02		1466.1							
	OBS	00095	03.15	34.035	27.13		1463.5							
	STD	00100	04.12	34.30	27.24	00.110	1468.1							
	OBS	00100	04.12	34.298	27.24		1468.1							
	OBS	00113	05.33	34.500	27.26		1473.6							
	STD	00125	05.13	34.49	27.28	00.131	1472.9							
	OBS	00125	05.13	34.486	27.28		1472.9							
	OBS	00133	05.50	34.597	27.32		1474.7							
	STD	00150	05.24	34.60	27.35	00.150	1473.9							
	OBS	00150	05.24	34.596	27.35		1473.9							
	OBS	00173	04.97	34.595	27.38		1473.2							
	OBS	00184	05.83	34.795	27.44		1477.2							
	OBS	00197	05.87	34.813	27.44		1477.5							
	STD	00200	05.88	34.84	27.46	00.186	1477.7							
	OBS	00211	05.91	34.865	27.48		1478.0							
	OBS	00223	05.50	34.824	27.50		1476.5							
	OBS	00228	05.72	34.885	27.52		1477.6							
	OBS	00232	04.95	34.800	27.54		1474.4							
	STD	00250	05.33	34.86	27.55	00.217	1476.3							
	OBS	00250	05.33	34.859	27.55		1476.3							
	OBS	00252	05.51	34.908	27.56		1477.1							
	OBS	00265	05.33	34.893	27.57		1476.6							
	OBS	00289	05.76	35.009	27.61		1478.9							
	STD	00300	05.46	34.98	27.63	00.244	1477.8							
	OBS	00301	05.46	34.979	27.62		1477.8							
	OBS	00311	05.67	35.031	27.64		1478.9							
	OBS	00348	05.24	34.981	27.65		1477.7							
	OBS	00359	04.73	34.931	27.67		1475.7							
	OBS	00384	04.55	34.925	27.69		1475.4							
	STD	00400	04.63	34.96	27.71	00.292	1476.0							
	OBS	00400	04.63	34.964	27.71		1476.0							
	OBS	00413	04.52	34.954	27.71		1475.8							
	OBS	00424	04.58	34.977	27.73		1476.2							
	OBS	00449	04.25	34.935	27.73		1475.2							
	OBS	00472	04.43	34.976	27.74		1476.4							
	STD	00500	04.39	34.98	27.75	00.334	1476.7							
	OBS	00500	04.39	34.984	27.75		1476.7							
	OBS	00548	04.25	34.973	27.76		1476.9							
	STD	00600	04.26	34.98	27.77	00.375	1477.8							
	OBS	00600	04.26	34.982	27.77		1477.8							
	OBS	00648	04.22	34.995	27.78		1478.5							
	STD	00700	04.28	35.01	27.79	00.415	1479.6							
	OBS	00700	04.28	35.011	27.79		1479.6							
	OBS	00748	04.20	35.002	27.79		1480.1							
	OBS	00750	04.25	34.995	27.78		1480.3							
	STD	00800	04.23	34.99	27.78	00.455	1481.0							
	OBS	00800	04.23	34.990	27.78		1481.0							
	OBS	00850	04.08	34.975	27.78		1481.2							
	STD	00900	03.83	34.93	27.77	00.497	1480.9							
	OBS	00900	03.83	34.935	27.77		1480.9							
	OBS	00950	03.72	34.925	27.78		1481.3							
	OBS	00970	03.69	34.920	27.78		1481.5							
	STD	01000	03.86	34.95	27.78	00.539	1482.8							
	OBS	01000	03.86	34.950	27.78		1482.8							
	OBS	01020	03.84	34.940	27.78		1483.0							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID 31 8370 YEAR 1974 BOTDP 00878 AIR TEMP 00.8 DIR HGT PER WIND-DIR 30 INST STD RECORDER TEN SQ 1306
CONSEC 0030 MONTH 04 SHIP EV WET BULB -00.2 28 6 3 WIND-SPD 25 TRACE DIR D 5 SQUARE 4
LAT 46 00.0N DAY 13 DATA USE 1 BAROMETR 1014.5 SEA WIND-FOR DURATION 00.4 2 SQUARE 66
LONG 046 25.5W HOUR 10.2 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 520 1 SQUARE 66

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.05	33.01	26.47	00.000	1451.3							
10.2	OBS	00007	01.05	33.010	26.47		1451.4							
	STD	00010	01.05	33.01	26.46	00.016	1451.5							
	OBS	00019	01.04	33.000	26.46		1451.6							
	STD	00020	01.03	33.00	26.46	00.032	1451.6							
	OBS	00020	01.03	33.000	26.46		1451.5							
	STD	00030	00.99	33.07	26.52	00.047	1451.6							
	OBS	00032	00.98	33.080	26.53		1451.6							
	STD	00050	00.97	33.09	26.53	00.077	1451.9							
	OBS	00051	00.97	33.090	26.54		1451.9							
	STD	00075	01.31	33.21	26.61	00.114	1454.0							
	OBS	00076	01.34	33.210	26.61		1454.1							
	OBS	00079	01.44	33.220	26.61		1454.7							
	OBS	00089	03.08	33.620	26.80		1462.5							
	STD	00100	03.60	33.72	26.83	00.148	1465.1							
	OBS	00106	03.85	33.770	26.85		1466.3							
	STD	00125	04.21	33.89	26.91	00.178	1468.3							
	OBS	00129	04.26	33.920	26.92		1468.6							
	STD	00150	04.33	34.02	26.99	00.206	1469.4							
	OBS	00152	04.35	34.030	27.00		1469.5							
	OBS	00167	04.56	34.100	27.03		1470.7							
	OBS	00175	04.09	34.110	27.09		1468.9							
	STD	00200	04.14	34.12	27.09	00.258	1469.6							
	OBS	00203	04.15	34.120	27.09		1469.7							
	OBS	00209	04.08	34.120	27.10		1469.5							
	OBS	00215	04.24	34.250	27.19		1470.4							
	OBS	00228	04.24	34.240	27.18		1470.6							
	OBS	00237	04.46	34.350	27.24		1471.8							
	OBS	00247	04.73	34.380	27.24		1473.1							
	STD	00250	04.75	34.38	27.23	00.305	1473.2							
	OBS	00253	04.76	34.380	27.23		1473.4							
	OBS	00276	04.73	34.440	27.28		1473.7							
	STD	00300	04.57	34.45	27.31	00.347	1473.4							
	OBS	00302	04.56	34.450	27.31		1473.4							
	OBS	00350	04.56	34.474	27.33		1474.3							
	STD	00400	04.38	34.56	27.41	00.423	1474.5							
	OBS	00403	04.37	34.560	27.42		1474.5							
	OBS	00464	04.11	34.590	27.47		1474.4							
	STD	00500	04.08	34.58	27.47	00.492	1474.9							
	OBS	00502	04.08	34.580	27.47		1474.9							
	OBS	00552	04.09	34.590	27.47		1475.8							
	STD	00600	04.07	34.70	27.56	00.556	1476.6							
	OBS	00601	04.07	34.700	27.56		1476.7							
	OBS	00666	03.96	34.720	27.59		1477.3							
	STD	00700	03.91	34.71	27.59	00.614	1477.7							
	OBS	00711	03.89	34.710	27.59		1477.8							
	OBS	00750	03.79	34.720	27.61		1478.0							
	STD	00800	03.74	34.79	27.67	00.668	1478.7							
	OBS	00801	03.74	34.790	27.67		1478.7							
	OBS	00871	03.71	34.790	27.67		1479.8							

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REFID 31 8370	YEAR 1974	BOTOP 01414	AIR TEMP 02.3	DIR HGT PER	WIND-DIR 30	INST STD RECORDER	TEN SQ 1306
CONSEC 0031	MONTH 04	SHIP EV	WET BULB 00.8	27 3 3	WIND-SPD 18	TRACE DIR D	5 SQUARE 4
LAT 46 04.0N	DAY 13	DATA USE 1	BAROMETR 1015.9	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 66
LONG 046 54.1W	HOUR 16.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X7	ORIG 011 521 14	1 SQUARE 66

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.01	32.51	26.16	00.000	1441.1							
16.1	OBS	00003	- 1.01	32.510	26.16		1441.2							
	STD	00010	- 1.00	32.52	26.17	0C.019	1441.4							
	OBS	00013	- 1.00	32.533	26.18		1441.4							
	STD	00020	- C.93	32.63	26.25	00.037	1442.0							
	OBS	00020	- 0.88	32.650	26.27		1442.3							
	OBS	00026	- 0.30	32.855	26.41		1445.4							
	STD	00030	- 0.13	32.99	26.52	00.053	1446.4							
	OBS	00030	- 0.11	33.010	26.53		1446.5							
	OBS	00041	00.32	33.076	26.56		1448.8							
	OBS	00043	00.61	33.215	26.66		1450.3							
	OBS	00047	01.26	33.280	26.67		1453.4							
	STD	00050	01.26	33.29	26.67	00.082	1453.5							
	OBS	00053	01.34	33.310	26.69		1453.9							
	OBS	00059	01.66	33.400	26.74		1455.5							
	OBS	00068	02.66	33.567	26.79		1460.3							
	OBS	00074	03.06	33.710	26.87		1462.3							
	STD	00075	03.17	33.72	26.87	00.114	1462.8							
	OBS	00081	03.75	33.770	26.86		1465.5							
	OBS	00097	02.78	33.725	26.91		1461.5							
	OBS	00099	02.79	33.760	26.94		1461.6							
	STD	00100	02.93	33.78	26.94	00.143	1462.3							
	OBS	00104	03.56	33.890	26.97		1465.2							
	OBS	00112	04.42	34.040	27.00		1469.2							
	STD	00125	04.53	34.09	27.03	00.171	1469.9							
	OBS	00127	04.55	34.100	27.03		1470.0							
	OBS	00140	02.85	34.000	27.12		1462.9							
	OBS	00148	03.13	34.015	27.11		1464.3							
	STD	00150	03.25	34.03	27.11	00.196	1464.8							
	OBS	00152	03.41	34.060	27.12		1465.6							
	OBS	00177	03.36	34.120	27.17		1465.9							
	OBS	00182	03.51	34.120	27.16		1466.6							
	OBS	00186	04.48	34.250	27.16		1470.9							
	STD	00200	04.65	34.32	27.20	00.243	1472.0							
	OBS	00201	04.67	34.330	27.20		1472.1							
	OBS	00226	04.73	34.380	27.24		1472.8							
	OBS	00247	04.79	34.407	27.25		1473.4							
	STD	00250	04.68	34.39	27.25	00.287	1473.0							
	OBS	00255	04.56	34.370	27.25		1472.5							
	OBS	00257	04.55	34.370	27.25		1472.5							
	OBS	00266	04.26	34.400	27.30		1471.5							
	OBS	00281	03.71	34.380	27.34		1469.4							
	OBS	00283	03.78	34.400	27.35		1469.8							
	OBS	00285	04.21	34.440	27.34		1471.7							
	STD	00300	04.32	34.47	27.35	00.327	1472.4							
	OBS	00350	04.55	34.540	27.38		1474.3							
	STD	00400	04.58	34.59	27.42	00.401	1475.3							
	OBS	00401	04.58	34.590	27.42		1475.3							
	OBS	00453	04.46	34.590	27.43		1475.7							
	STD	00500	04.35	34.60	27.45	00.471	1476.0							
	OBS	00500	04.35	34.600	27.45		1476.0							
	OBS	00550	04.28	34.600	27.46		1476.6							
	STD	00600	04.15	34.69	27.54	00.536	1477.0							
	OBS	00601	04.15	34.690	27.55		1477.0							
	OBS	00651	03.97	34.700	27.57		1477.1							
	STD	00700	03.99	34.73	27.59	00.595	1478.0							
	OBS	00700	03.99	34.730	27.59		1478.0							
	OBS	00750	03.85	34.710	27.59		1478.2							
	STD	00800	03.78	34.74	27.62	00.651	1478.8							
	OBS	00801	03.78	34.740	27.62		1478.8							
	OBS	00850	03.74	34.800	27.68		1479.6							
	STD	00900	03.69	34.79	27.67	00.704	1480.2							
	OBS	00900	03.69	34.790	27.67		1480.2							
	OBS	00951	03.63	34.780	27.67		1480.8							
	STD	01000	03.60	34.80	27.69	00.754	1481.5							
	OBS	01001	03.60	34.805	27.69		1481.5							
	OBS	01026	03.60	34.890	27.76		1482.0							

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REFID 31 8370	YEAR 1974	BOTDP 00815	AIR TEMP -00.8	DIR HGT PER	WIND-DIR 30	INST STD RECORDER	TEN SQ 1306
CONSEC 0032	MONTH 04	SHIP EV	WET BULB -02.0	28 4 3	WIND-SPD 22	TRACE DIR D	5 SQUARE 4
LAT 46 13.1N	DAY 13	DATA USE 1	BAROMETR 1016.3	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 66
LONG 047 09.8W	HOUR 19.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 522 12	1 SQUARE 67

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.5.	32.52	26.18	00.000	1439.6							
19.6	OBS	00003	- 1.35	32.521	26.18		1439.6							
	STD	00010	- 1.31	32.52	26.18	00.018	1439.9							
	OBS	00011	- 1.30	32.520	26.18		1440.0							
	STD	00020	- 1.29	32.53	26.18	00.037	1440.2							
	OBS	00020	- 1.29	32.530	26.18		1440.2							
	STD	00030	- 1.29	32.53	26.18	00.055	1440.3							
	OBS	00030	- 1.29	32.530	26.18		1440.4							
	OBS	00045	- 1.29	32.510	26.17		1440.6							
	STD	00050	- 1.39	32.52	26.18	00.092	1440.2							
	OBS	00051	- 1.45	32.520	26.18		1439.9							
	OBS	00055	- 1.70	32.667	26.30		1439.0							
	STD	00075	- 1.21	33.00	26.56	00.134	1442.1							
	OBS	00076	- 1.16	33.030	26.58		1442.4							
	OBS	00081	- 0.87	33.200	26.71		1444.1							
	OBS	00083	- 0.61	33.210	26.71		1445.4							
	OBS	00093	- 0.35	33.253	26.73		1446.8							
	STD	00100	00.13	33.35	26.79	00.168	1449.3							
	OBS	00104	00.38	33.420	26.83		1450.6							
	OBS	00118	00.66	33.650	27.00		1452.4							
	STD	00125	00.98	33.68	27.01	00.197	1453.9							
	OBS	00125	01.00	33.680	27.01		1454.1							
	STD	00150	01.74	33.86	27.10	00.223	1458.0							
	OBS	00150	01.74	33.860	27.10		1458.0							
	OBS	00175	01.45	33.900	27.15		1457.2							
	STD	00200	01.99	34.03	27.22	00.269	1460.2							
	OBS	00201	02.02	34.035	27.22		1460.3							
	OBS	00226	02.42	34.090	27.23		1462.6							
	STD	00250	02.57	34.20	27.30	00.310	1463.8							
	OBS	00253	02.60	34.205	27.31		1464.0							
	OBS	00279	02.88	34.230	27.30		1465.6							
	STD	00300	03.14	34.26	27.30	00.350	1467.1							
	OBS	00300	03.15	34.260	27.30		1467.2							
	OBS	00354	03.53	34.380	27.36		1469.9							
	STD	00400	03.77	34.44	27.39	00.427	1471.7							
	OBS	00401	03.78	34.443	27.39		1471.8							
	OBS	00451	03.96	34.470	27.39		1473.4							
	STD	00500	04.01	34.59	27.48	00.496	1474.6							
	OBS	00500	04.01	34.590	27.48		1474.6							
	OBS	00553	03.99	34.590	27.48		1475.4							
	STD	00600	03.96	34.58	27.48	00.563	1476.0							
	OBS	00603	03.96	34.580	27.48		1476.1							
	OBS	00651	03.90	34.680	27.56		1476.7							
	STD	00700	03.81	34.71	27.60	00.624	1477.2							
	OBS	00700	03.81	34.710	27.60		1477.2							
	OBS	00750	03.76	34.740	27.63		1477.9							
	STD	00800	03.71	34.73	27.62	00.680	1478.5							
	OBS	00801	03.71	34.730	27.62		1478.5							
	OBS	00810	03.72	34.730	27.62		1478.7							

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REFID 31 8370	YEAR 1974	BOTDP 00305	AIR TEMP 01.0	DIR HGT PER	WIND-DIR 32	INST STD RECORDER	TEN SQ 1306
CONSEC 0033	MONTH 04	SHIP EV	WET BULB 00.4	28 4 3	WIND-SPD 20	TRACE DIR D	5 SQUARE 4
LAT 46 14.8N	DAY 13	DATA USE 1	BAROMETR 1018.3	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 66
LONG 047 28.7W	HOUR 22.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 523	1 SQUARE 67

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
22.3	OBS	00009	- 1.46	32.390	26.07		1439.0							
	STD	00010	- 1.46	32.39	26.08		1439.0							
	STD	00020	- 1.45	32.45	26.13		1439.3							
	OBS	00022	- 1.45	32.470	26.14		1439.4							
	STD	00030	- 1.49	32.50	26.16		1439.4							
	STD	00050	- 1.67	32.57	26.23		1438.9							
	OBS	00051	- 1.69	32.580	26.23		1438.9							
	OBS	00055	- 1.74	32.660	26.30		1438.8							
	OBS	00068	- 1.58	32.720	26.34		1439.9							
	OBS	00074	- 1.33	32.720	26.34		1441.2							
	STD	00075	- 1.33	32.72	26.34		1441.2							
	OBS	00078	- 1.31	32.730	26.35		1441.3							
	STD	00100	- 1.33	32.82	26.42		1441.7							
	OBS	00102	- 1.33	32.870	26.46		1441.8							
	OBS	00106	- 1.18	32.960	26.53		1442.7							
	OBS	00112	- 0.54	33.090	26.61		1446.0							
	STD	00125	- 0.08	33.20	26.68		1448.5							
	OBS	00125	- 0.06	33.200	26.68		1448.6							
	STD	00150	00.32	33.30	26.74		1450.8							
	OBS	00150	00.32	33.300	26.74		1450.9							
	OBS	00177	00.36	33.320	26.75		1451.5							
	STD	00200	00.64	33.49	26.88		1453.4							
	OBS	00203	00.68	33.510	26.89		1453.7							
	OBS	00226	00.92	33.600	26.95		1455.3							
	STD	00250	01.08	33.70	27.02		1456.5							
	OBS	00253	01.10	33.710	27.02		1456.7							
	OBS	00277	01.23	33.760	27.06		1457.7							
	STD	00300	01.73	33.90	27.14		1460.5							
	OBS	00300	01.76	33.910	27.14		1460.7							

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REFID . 31 8370	YEAR 1974	BOTDP 00194	AIR TEMP 00.5	DIR HGT PER	WIND-DIR 30	INST STD RECORDER	TEN SQ 1306
CONSEC 0034	MONTH 04	SHIP EV	WET BULB -00.3	35 4 3	WIND-SPD 20	TRACE DIR D	5 SQUARE 4
LAT 46 20.0N	DAY 13	DATA USE I	BAROMETR 1018.7	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 66
LONG 047 36.0W	HOUR 23.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 524	1 SQUARE 67

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.51	32.38	26.07	00.000	1438.6							
23.8	OBS	00003	- 1.51	32.380	26.07		1438.7							
	STD	00010	- 1.49	32.37	26.06	00.020	1438.8							
	OBS	00011	- 1.49	32.376	26.06		1438.9							
	STD	00020	- 1.49	32.38	26.07	00.039	1439.0							
	OBS	00020	- 1.49	32.380	26.07		1439.0							
	STD	00030	- 1.49	32.39	26.07	00.059	1439.2							
	OBS	00030	- 1.49	32.390	26.08		1439.2							
	STD	00050	- 1.52	32.47	26.14	00.097	1439.5							
	OBS	00051	- 1.52	32.480	26.15		1439.5							
	OBS	00055	- 1.63	32.520	26.18		1439.1							
	OBS	00057	- 1.75	32.517	26.18		1438.6							
	OBS	00062	- 1.76	32.630	26.28		1438.8							
	STD	00075	- 1.70	32.65	26.29	00.142	1439.3							
	OBS	00076	- 1.69	32.657	26.30		1439.4							
	STD	00100	- 1.61	32.73	26.35	00.185	1440.3							
	OBS	00100	- 1.60	32.730	26.35		1440.3							
	STD	00125	- 1.42	32.87	26.46	00.225	1441.8							
	OBS	00125	- 1.41	32.875	26.47		1441.8							
	STD	00150	- 0.77	33.02	26.56	00.263	1445.5							
	OBS	00150	- 0.75	33.020	26.56		1445.6							
	OBS	00159	- 0.22	33.120	26.62		1448.3							
	OBS	00175	- 0.20	33.170	26.66		1448.7							
	OBS	00186	- 0.20	33.190	26.68		1448.9							

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REFID 31 8370	YEAR 1974	BOTDP 00124	AIR TEMP 01.0	DIR HGT PER	WIND-DIR 32	INST STD RECORDER	TEN SQ 1306
CONSEC 0035	MONTH 04	SHIP EV	WET BULB 00.0	32 3 2	WIND-SPD 20	TRACE DIR D	5 SQUARE 4
LAT 46 24.0N	DAY 14	DATA USE 1	BAROMETR 1020.0	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 66
LONG 047 51.5W	HOUR 02.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG 011 525	1 SQUARE 67

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.18	32.47	26.13	00.000	1440.3							
02.2	OBS	00000	- 1.18	32.476	26.13		1440.3							
	STD	00010	- 1.17	32.48	26.14	00.019	1440.5							
	OBS	00010	- 1.17	32.480	26.14		1440.5							
	STD	00020	- 1.17	32.49	26.15	00.038	1440.7							
	OBS	00020	- 1.17	32.490	26.15		1440.7							
	STD	00030	- 1.17	32.50	26.16	00.056	1440.9							
	OBS	00030	- 1.17	32.500	26.16		1440.9							
	STD	00050	- 1.33	32.56	26.21	00.093	1440.5							
	OBS	00050	- 1.33	32.560	26.21		1440.5							
	STD	00075	- 1.68	32.64	26.28	00.138	1439.4							
	OBS	00076	- 1.70	32.643	26.28		1439.3							
	STD	00100	- 1.07	32.86	26.44	00.179	1443.0							
	OBS	00100	- 1.06	32.860	26.44		1443.1							
	OBS	00121	- 0.97	32.865	26.44		1443.8							

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REFID 31 8370	YEAR 1974	BOTDP 00109	AIR TEMP 01.0	DIR HGT PER	WIND-DIR 32	INST STD RECORDER	TEN SQ 1306
CONSEC 0036	MONTH 04	SHIP EV	WET BULB 00.0	32 3 2	WIND-SPD 20	TRACE DIR D	5 SQUARE 4
LAT 46 29.0N	DAY 14	DATA USE 1	BAROMETR 1020.0	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 68
LONG 048 05.0W	HOUR 04.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 526	1 SQUARE 68

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.08	32.37	26.05	00.000	1440.6							
04.0	OBS	00001	- 1.08	32.376	26.05		1440.7							
	STD	00010	- 1.07	32.38	26.06	00.020	1440.8							
	OBS	00013	- 1.07	32.390	26.06		1440.9							
	STD	00020	- 1.06	32.40	26.07	00.039	1441.1							
	OBS	00020	- 1.06	32.400	26.07		1441.1							
	STD	00030	- 1.18	32.43	26.10	00.059	1440.7							
	STD	00050	- 1.37	32.48	26.15	00.096	1440.2							
	OBS	00053	- 1.39	32.490	26.15		1440.2							
	STD	00075	- 1.44	32.52	26.18	00.143	1440.4							
	OBS	00076	- 1.44	32.520	26.18		1440.4							
	OBS	00083	- 1.48	32.530	26.19		1440.3							
	OBS	00097	- 1.33	32.740	26.35		1441.6							

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REFID 31 8370 YEAR 1974 BOTDP 00098 AIR TEMP -01.8 DIR HGT PER WIND-DIR 30 INST STD RECORDER TEN SQ 1306
CONSEC 0037 MONTH 04 SHIP EV WET BULB -03.0 30 4 3 WIND-SPD 20 TRACE DIR D 5 SQUARE 4
LAT 46 33.2N DAY 14 DATA USE E BAROMETR 1019.6 SEA WIND-FOR DURATION 00.1 2 SQUARE 68
LONG 048 20.0W HOUR 05.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 527 1 SQUARE 68

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.06	32.33	26.02	00.000	1440.7							
05.5	OBS	00003	- 1.06	32.330	26.02		1440.7							
	STD	00010	- 1.06	32.31	26.00	00.020	1440.8							
	OBS	00011	- 1.06	32.310	26.00		1440.8							
	STD	00020	- 1.04	32.31	26.00	00.040	1441.1							
	OBS	00020	- 1.04	32.317	26.00		1441.1							
	STD	00030	- 1.04	32.38	26.05	00.060	1441.3							
	OBS	00030	- 1.04	32.380	26.06		1441.3							
	STD	00050	- 1.05	32.38	26.06	00.099	1441.6							
	OBS	00051	- 1.06	32.390	26.06		1441.6							
	OBS	00070	- 1.43	32.610	26.25		1440.5							
	STD	00075	- 1.43	32.62	26.26	00.146	1440.6							
	OBS	00076	- 1.43	32.617	26.26		1440.6							
	OBS	00089	- 1.43	32.626	26.26		1440.8							

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REFID 31 8370 YEAR 1974 BOTDP 00091 AIR TEMP -01.0 DIR HGT PER WIND-DIR 32 INST STD RECORDER TEN SQ 1306
CONSEC 0038 MONTH 04 SHIP EV WET BULB -02.7 30 4 3 WIND-SPD 14 TRACE DIR D 5 SQUARE 4
LAT 46 40.0N DAY 14 DATA USE 1 BAROMETR 1021.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 68
LONG 048 33.1W HOUR 08.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 528 1 SQUARE 68

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.06	32.30	26.00	00.000	1440.6							
08.1	OBS	00003	- 1.06	32.305	26.00		1440.7							
	STD	00010	- 1.07	32.31	26.00	00.020	1440.7							
	OBS	00011	- 1.07	32.310	26.00		1440.8							
	STD	00020	- 1.06	32.32	26.00	00.040	1441.0							
	OBS	00020	- 1.06	32.320	26.01		1441.0							
	STD	00030	- 1.06	32.38	26.05	00.060	1441.2							
	OBS	00030	- 1.06	32.380	26.06		1441.2							
	OBS	00049	- 1.09	32.388	26.06		1441.4							
	STD	00050	- 1.17	32.39	26.06	00.099	1441.1							
	OBS	00051	- 1.33	32.386	26.07		1440.3							
	OBS	00053	- 1.43	32.457	26.13		1440.0							
	STD	00075	- 1.43	32.49	26.16	00.147	1440.4							
	OBS	00079	- 1.43	32.500	26.16		1440.5							
	OBS	00085	- 1.43	32.494	26.16		1440.6							

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REFID 31 8370 YEAR 1974 BOTDP 00079 AIR TEMP -01.0 DIR HGT PER WIND-DIR 32 INST STD RECORDER TEN SQ 1306
CONSEC 0039 MONTH 04 SHIP EV WET BULB -02.7 30 4 3 WIND-SPD 14 TRACE DIR D 5 SQUARE 4
LAT 46 44.1N DAY 14 DATA USE 1 BAROMETR 1021.0 SEA WIND-FOR DURATION 00.1 2 SQUARE 68
LONG 048 41.5W HOUR 09.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 529 1 SQUARE 68

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.09	32.31	26.00	00.000	1440.5							
09.8	OBS	00001	- 1.09	32.310	26.00		1440.5							
	STD	00010	- 1.09	32.32	26.01	00.020	1440.7							
	OBS	00011	- 1.09	32.320	26.01		1440.7							
	OBS	00019	- 1.09	32.320	26.01		1440.8							
	STD	00020	- 1.09	32.32	26.01	00.040	1440.8							
	STD	00030	- 1.08	32.32	26.01	00.060	1441.0							
	OBS	00032	- 1.08	32.320	26.01		1441.1							
	OBS	00049	- 1.01	32.390	26.06		1441.8							

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REFID 31 8370 YEAR 1974 BOTDP 00080 AIR TEMP 00.1 DIR HGT PER WIND-DIR 32 INST STD RECORDER TEN SQ 1306
CONSEC 0040 MONTH 04 SHIP EV WET BULB -02.2 29 4 3 WIND-SPD 20 TRACE DIR D 5 SQUARE 4
LAT 47 02.2N DAY 14 DATA USE 1 BAROMETR 1021.1 SEA WIND-FOR DURATION 00.1 2 SQUARE 68
LONG 049 07.0W HOUR 13.4 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 530 1 SQUARE 79

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.17	32.99	26.55	00.000	1441.1							
13.4	OBS	00001	- 1.17	32.990	26.55		1441.1							
	STD	00010	- 1.17	32.97	26.54	00.015	1441.2							
	OBS	00011	- 1.17	32.970	26.54		1441.2							
	STD	00020	- 1.20	32.99	26.55	00.030	1441.3							
	OBS	00022	- 1.20	32.990	26.55		1441.3							
	STD	00030	- 1.20	32.99	26.55	00.045	1441.4							
	OBS	00030	- 1.20	32.985	26.55		1441.4							
	STD	00050	- 1.22	32.98	26.55	00.075	1441.6							
	OBS	00051	- 1.23	32.980	26.55		1441.6							
	STD	00075	- 1.46	32.99	26.56	00.112	1440.9							
	OBS	00076	- 1.48	32.993	26.56		1440.9							

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REFID 31 8370 YEAR 1974 BOTDP 00093 AIR TEMP -00.8 DIR HGT PER WIND-DIR 02 INST STD RECORDER TEN SQ 1306
CONSEC 0041 MONTH 04 SHIP EV WET BULB -02.6 01 3 3 WIND-SPD 13 TRACE DIR D 5 SQUARE 4
LAT 47 01.5N DAY 14 DATA USE 1 BAROMETR 1020.9 SEA WIND-FOR DURATION 00.1 2 SQUARE 68
LONG 048 51.5W HOUR 14.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 531 1 SQUARE 78

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.17	32.97	26.54	00.000	1441.0							
14.6	OBS	00001	- 1.17	32.970	26.54		1441.1							
	STD	00010	- 1.19	32.97	26.54	00.015	1441.1							
	OBS	00011	- 1.19	32.970	26.54		1441.1							
	STD	00020	- 1.19	32.97	26.54	00.030	1441.3							
	OBS	00020	- 1.19	32.970	26.54		1441.3							
	STD	00030	- 1.20	32.97	26.54	00.045	1441.4							
	OBS	00030	- 1.20	32.970	26.54		1441.4							
	STD	00050	- 1.20	32.97	26.54	00.075	1441.7							
	OBS	00051	- 1.20	32.970	26.54		1441.7							
	STD	00075	- 1.26	32.97	26.54	00.113	1441.8							
	OBS	00076	- 1.28	32.980	26.55		1441.8							
	OBS	00085	- 1.47	33.080	26.63		1441.2							

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REFID 31 8370 YEAR 1974 BOTDP 00108 AIR TEMP -00.6 DIR HGT PER WIND-DIR 32 INST STD RECORDER TEN SQ 1306
CONSEC 0042 MONTH 04 SHIP EV WET BULB -01.6 00 0 X WIND-SPD 15 TRACE DIR D 5 SQUARE 4
LAT 47 00.0N DAY 14 DATA USE 1 BAROMETR 1020.3 SEA WIND-FOR DURATION 00.1 2 SQUARE 68
LONG 048 32.0W HOUR 15.9 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 532 1 SQUARE 78

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.17	32.97	26.54	00.000	1441.0							
15.9	OBS	00001	- 1.17	32.975	26.54		1441.1							
	OBS	00005	- 1.17	32.970	26.54		1441.1							
	STD	00010	- 1.19	33.00	26.56	00.015	1441.2							
	OBS	00011	- 1.19	33.000	26.56		1441.2							
	STD	00020	- 1.19	32.97	26.54	00.030	1441.3							
	OBS	00022	- 1.19	32.970	26.54		1441.3							
	STD	00030	- 1.21	32.98	26.54	00.045	1441.4							
	OBS	00030	- 1.21	32.980	26.55		1441.4							
	STD	00050	- 1.21	32.97	26.54	00.075	1441.7							
	OBS	00053	- 1.21	32.973	26.54		1441.7							
	STD	00075	- 1.51	33.12	26.66	00.111	1440.9							
	OBS	00076	- 1.51	33.120	26.67		1440.9							
	OBS	00081	- 1.52	33.140	26.68		1441.0							
	OBS	00099	- 1.48	33.193	26.73		1441.5							

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REFID 31 8370 YEAR 1974 BOTDP 00113 AIR TEMP -00.2 DIR HGT PER WIND-DIR 31 INST STD RECORDER TEN SQ 1306
CONSEC 0043 MONTH 04 SHIP EV WET BULB -00.8 00 0 X WIND-SPD 15 TRACE DIR D 5 SQUARE 4
LAT 47 01.0N DAY 14 DATA USE 1 BAROMETR 1019.8 SEA WIND-FOR DURATION 00.1 2 SQUARE 68
LONG 048 20.0W HOUR 17.1 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 533 20 1 SQUARE 78

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.17	33.08	26.62	00.000	1441.2							
17.1	OBS	00001	- 1.17	33.080	26.62		1441.2							
	OBS	00003	- 1.18	33.070	26.62		1441.2							
	STD	00010	- 1.21	33.07	26.62	00.014	1441.2							
	OBS	00011	- 1.21	33.075	26.62		1441.2							
	STD	00020	- 1.19	33.07	26.62	00.028	1441.4							
	OBS	00020	- 1.19	33.075	26.62		1441.4							
	STD	00030	- 1.21	33.08	26.63	00.043	1441.5							
	OBS	00030	- 1.21	33.080	26.63		1441.5							
	STD	00050	- 1.23	33.08	26.63	00.071	1441.7							
	OBS	00051	- 1.23	33.080	26.63		1441.8							
	STD	00075	- 1.32	33.08	26.63	00.107	1441.7							
	OBS	00076	- 1.33	33.080	26.63		1441.7							
	OBS	00093	- 1.53	33.110	26.66		1441.1							
	STD	00100	- 1.48	33.18	26.72	00.141	1441.5							
	OBS	00100	- 1.48	33.195	26.73		1441.6							
	OBS	00106	- 1.49	33.290	26.80		1441.7							
	OBS	00108	- 1.48	33.290	26.80		1441.8							

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REFID 31 8370 YEAR 1974 BOTDP 00145 AIR TEMP 00.0 DIR HGT PER WIND-DIR 30 INST STD RECORDER TEN SQ 1306
CONSEC 0044 MONTH 04 SHIP EV WET BULB -01.0 00 0 X WIND-SPD 12 TRACE DIR D 5 SQUARE 4
LAT 47 01.5N DAY 14 DATA USE 1 BAROMETR 1019.8 SEA WIND-FOR DURATION 00.1 2 SQUARE 68
LONG 048 03.0W HOUR 18.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 534 21 1 SQUARE 78

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.15	32.98	26.54	00.000	1441.1							
18.6	OBS	00001	- 1.15	32.980	26.54		1441.2							
	STD	00010	- 1.15	32.98	26.54	00.015	1441.3							
	OBS	00011	- 1.15	32.980	26.54		1441.3							
	STD	00020	- 1.17	32.98	26.54	00.030	1441.4							
	OBS	00020	- 1.17	32.980	26.54		1441.4							
	STD	00030	- 1.19	32.98	26.54	00.045	1441.5							
	OBS	00030	- 1.19	32.980	26.54		1441.5							
	STD	00050	- 1.19	32.98	26.55	00.075	1441.8							
	OBS	00053	- 1.21	32.985	26.55		1441.7							
	STD	00075	- 1.49	33.10	26.65	00.111	1441.0							
	OBS	00076	- 1.50	33.105	26.65		1440.9							
	OBS	00089	- 1.64	33.185	26.72		1440.6							
	STD	00100	- 1.63	33.19	26.73	00.145	1440.8							
	OBS	00102	- 1.60	33.190	26.73		1441.0							
	STD	00125	- 0.95	33.47	26.93	00.175	1444.9							
	OBS	00125	- 0.94	33.470	26.93		1444.9							
	OBS	00133	- 0.93	33.473	26.93		1445.1							

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REFID 31 8370 YEAR 1974 BOTDP 00165 AIR TEMP -02.0 DIR HGT PER WIND-DIR 30 INST STD RECORDER TEN SQ 1306
CONSEC 0045 MONTH 04 SHIP EV WET BULB -02.7 00 0 X WIND-SPD 07 TRACE DIR D 5 SQUARE 4
LAT 46 57.8N DAY 14 DATA USE 1 BAROMETR 1019.9 SEA WIND-FOR DURATION 00.1 2 SQUARE 66
LONG 047 50.0W HOUR 20.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 535 15 1 SQUARE 67

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.14	33.10	26.64	00.000	1441.4							
20.1	OBS	00000	- 1.14	33.105	26.64		1441.4							
	STD	00010	- 1.16	33.10	26.64	00.014	1441.4							
	OBS	00010	- 1.16	33.105	26.64		1441.4							
	STD	00020	01.18	33.11	26.64	00.029	1452.4							
	OBS	00020	01.18	33.110	26.64		1452.4							
	STD	00030	01.20	33.11	26.64	00.044	1452.6							
	OBS	00030	01.20	33.110	26.64		1452.6							
	STD	00050	- 1.24	33.12	26.66	00.073	1441.7							
	OBS	00050	- 1.24	33.120	26.66		1441.7							
	STD	00075	- 1.57	33.18	26.72	00.106	1440.7							
	OBS	00075	- 1.57	33.185	26.72		1440.7							
	OBS	00097	- 1.69	33.190	26.73		1440.5							
	STD	00100	- 1.69	33.19	26.73	00.140	1440.6							
	OBS	00104	- 1.67	33.200	26.74		1440.7							
	STD	00125	- 1.39	33.46	26.94	00.170	1442.8							
	OBS	00127	- 1.32	33.480	26.95		1443.2							
	OBS	00140	- 0.83	33.540	26.99		1445.8							
	OBS	00146	- 0.53	33.620	27.04		1447.4							
	STD	00150	- 0.51	33.62	27.04	00.197	1447.5							
	OBS	00150	- 0.51	33.620	27.04		1447.5							
	OBS	00161	- 0.49	33.620	27.04		1447.8							

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REFID 31 8370 YEAR 1974 BOTDP 00216 AIR TEMP -01.0 DIR HGT PER WIND-DIR 34 INST STD RECORDER TEN SQ 1306
CONSEC 0046 MONTH 04 SHIP EV WET BULB -01.2 00 0 X WIND-SPD 10 TRACE DIR D 5 SQUARE 4
LAT 46 59.2N DAY 14 DATA USE 1 BAROMETR 1020.0 SEA WIND-FOR DURATION 00.2 2 SQUARE 66
LONG 047 32.0W HOUR 21.7 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG 011 536 20 1 SQUARE 67

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.47	33.11	26.66	00.000	1439.8							
21.7	OBS	00001	- 1.47	33.108	26.66		1439.8							
	STD	00010	- 1.46	33.11	26.66	00.014	1440.0							
	OBS	00013	- 1.46	33.107	26.65		1440.1							
	STD	00020	- 1.47	33.11	26.66	00.028	1440.2							
	OBS	00020	- 1.47	33.110	26.66		1440.2							
	STD	00030	- 1.47	33.11	26.66	00.042	1440.3							
	OBS	00030	- 1.47	33.110	26.66		1440.3							
	OBS	00034	- 1.48	33.100	26.65		1440.3							
	STD	00050	- 1.49	33.11	26.66	00.070	1440.6							
	OBS	00051	- 1.49	33.110	26.66		1440.6							
	STD	00075	- 1.61	33.12	26.67	00.104	1440.4							
	OBS	00076	- 1.62	33.120	26.67		1440.4							
	OBS	00095	- 1.73	33.170	26.71		1440.2							
	STD	00100	- 1.73	33.19	26.73	00.138	1440.3							
	OBS	00100	- 1.73	33.190	26.73		1440.4							
	STD	00125	- 1.43	33.34	26.84	00.169	1442.4							
	OBS	00125	- 1.42	33.340	26.84		1442.5							
	STD	00150	- 1.12	33.45	26.93	00.199	1444.4							
	OBS	00152	- 1.07	33.470	26.94		1444.7							
	OBS	00175	- 0.42	33.660	27.07		1448.4							
	STD	00200	- 0.34	33.66	27.07	00.252	1449.2							
	OBS	00201	- 0.34	33.665	27.07		1449.2							
	OBS	00211	- 0.35	33.660	27.06		1449.3							

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REFID 31 8370 YEAR 1974 BOTDP 00400 AIR TEMP -01.3 DIR HGT PER WIND-DIR 10 INST STD RECORDER TEN SQ 1306
CONSEC 0047 MONTH 04 SHIP EV WET BULB -02.0 00 0 X WIND-SPD 10 TRACE DIR D 5 SQUARE 4
LAT 46 58.8N DAY 14 DATA USE 1 BAROMETR 1020.0 SEA WIND-FOR DURATION 00.8 2 SQUARE 66
LONG 047 20.0W HOUR 23.2 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG 011 537 1 SQUARE 67

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.44	33.12	26.66	00.000	1440.0							
23.2	OBS	00001	- 1.44	33.117	26.66		1440.0							
	STD	00010	- 1.44	33.12	26.66	00.014	1440.1							
	OBS	00011	- 1.44	33.120	26.66		1440.2							
	STD	00020	- 1.46	33.13	26.67	00.028	1440.2							
	OBS	00020	- 1.46	33.130	26.67		1440.2							
	STD	00030	- 1.46	33.13	26.67	00.041	1440.4							
	OBS	00032	- 1.46	33.130	26.67		1440.4							
	STD	00050	- 1.72	33.19	26.73	00.068	1439.6							
	OBS	00051	- 1.73	33.190	26.73		1439.6							
	OBS	00057	- 1.75	33.200	26.74		1439.6							
	STD	00075	- 1.58	33.31	26.82	00.100	1440.8							
	OBS	00076	- 1.57	33.310	26.82		1440.9							
	STD	00100	- 1.57	33.32	26.83	00.131	1441.3							
	OBS	00102	- 1.57	33.330	26.84		1441.4							
	STD	00125	- 1.43	33.54	27.00	00.160	1442.7							
	OBS	00125	- 1.41	33.540	27.00		1442.8							
	OBS	00144	- 0.51	33.670	27.08		1447.5							
	STD	00150	- 0.45	33.69	27.09	00.185	1447.9							
	OBS	00150	- 0.44	33.690	27.09		1447.9							
	OBS	00175	00.22	33.820	27.16		1451.5							
	STD	00200	00.35	33.85	27.19	00.232	1452.6							
	OBS	00203	00.38	33.870	27.20		1452.8							
	OBS	00226	00.67	34.020	27.30		1454.7							
	STD	00250	00.88	34.11	27.36	00.272	1456.2							
	OBS	00251	00.89	34.110	27.36		1456.2							
	OBS	00276	01.06	34.143	27.37		1457.5							
	STD	00300	01.20	34.21	27.42	00.308	1458.6							
	OBS	00300	01.21	34.210	27.42		1458.6							
	OBS	00350	01.60	34.350	27.50		1461.4							
	OBS	00394	02.32	34.500	27.57		1465.5							

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REFID 31 8370	YEAR 1974	BOTDP 01106	AIR TEMP -02.0	DIR HGT PER	WIND-DIR 32	INST STD RECORDER	TEN SQ 1306
CONSEC 0048	MONTH 04	SHIP EV	WET BULB -02.7	00 0 X	WIND-SPD 08	TRACE DIR D	5 SQUARE 4
LAT 47 00.0N	DAY 15	DATA USE 1	BAROMETR 1020.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 66
LONG 047 05.0W	HOUR 00.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X0	ORIG 011 538	1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.14	33.18	26.70	00.000	1441.5							
00.8	OBS	00000	- 1.14	33.180	26.70		1441.5							
	STD	00010	- 1.14	33.18	26.70	00.013	1441.6							
	OBS	00010	- 1.14	33.180	26.70		1441.6							
	OBS	00019	- 1.24	33.180	26.71		1441.3							
	STD	00020	- 1.24	33.18	26.71	00.027	1441.3							
	STD	00030	- 1.26	33.19	26.72	00.040	1441.4							
	OBS	00030	- 1.26	33.190	26.72		1441.4							
	STD	00050	- 1.30	33.28	26.79	00.066	1441.7							
	OBS	00051	- 1.30	33.298	26.81		1441.7							
	OBS	00062	- 1.35	33.445	26.93		1441.9							
	STD	00075	- 1.32	33.49	26.96	00.096	1442.3							
	OBS	00078	- 1.25	33.525	26.99		1442.7							
	OBS	00087	- 0.85	33.670	27.09		1445.0							
	OBS	00091	- 0.81	33.780	27.18		1445.4							
	STD	00100	- 0.12	34.00	27.33	00.119	1449.0							
	OBS	00100	- 0.01	34.010	27.33		1449.5							
	OBS	00102	00.25	34.010	27.32		1450.8							
	OBS	00112	00.65	34.130	27.39		1452.9							
	OBS	00114	00.92	34.150	27.39		1454.2							
	STD	00125	01.18	34.23	27.43	00.136	1455.6							
	OBS	00125	01.19	34.230	27.44		1455.7							
	OBS	00139	01.23	34.220	27.43		1456.1							
	STD	00150	01.31	34.35	27.52	00.152	1456.8							
	OBS	00150	01.32	34.350	27.52		1456.8							
	OBS	00175	01.89	34.450	27.56		1459.9							
	OBS	00188	01.99	34.474	27.57		1460.6							
	OBS	00194	01.76	34.470	27.59		1459.7							
	STD	00200	01.83	34.49	27.59	00.179	1460.1							
	OBS	00201	01.85	34.490	27.60		1460.2							
	OBS	00224	01.91	34.560	27.65		1461.0							
	OBS	00226	02.15	34.570	27.64		1462.1							
	STD	00250	02.25	34.57	27.63	00.204	1462.9							
	OBS	00251	02.26	34.575	27.63		1463.0							
	STD	00300	02.53	34.63	27.66	00.228	1465.0							
	OBS	00350	03.00	34.720	27.68		1468.0							
	STD	00400	03.67	34.83	27.71	00.272	1471.8							
	OBS	00401	03.68	34.835	27.71		1471.9							
	OBS	00451	03.93	34.840	27.69		1473.8							
	STD	00500	03.93	34.90	27.74	00.315	1474.7							
	OBS	00500	03.93	34.900	27.74		1474.7							
	OBS	00550	03.97	34.910	27.74		1475.7							
	STD	00600	03.95	34.91	27.74	00.357	1476.4							
	OBS	00601	03.95	34.910	27.74		1476.5							
	OBS	00651	03.86	34.910	27.75		1476.9							
	STD	00700	03.83	34.91	27.75	00.399	1477.6							
	OBS	00721	03.81	34.910	27.76		1477.9							
	OBS	00750	03.77	34.910	27.76		1478.2							
	STD	00800	03.72	34.91	27.76	00.441	1478.8							
	OBS	00803	03.72	34.905	27.76		1478.8							
	OBS	00850	03.68	34.900	27.76		1479.4							
	STD	00900	03.63	34.90	27.77	00.483	1480.1							
	OBS	00900	03.63	34.900	27.77		1480.1							
	OBS	00928	03.61	34.900	27.77		1480.5							
	STD	01000	03.61	34.90	27.77	00.525	1481.6							
	OBS	01000	03.61	34.900	27.77		1481.6							

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Table I. CGC EVERGREEN, April—June 1974—(Continued)

REFID 31 8370	YEAR 1974	BOTDP 01106	AIR TEMP -02.0	DIR HGT PER	WIND-DIR 20	INST STD RECORDER	TEN SQ 1306
CONSEC 0049	MONTH 04	SHIP EV	WET BULB -03.0	31 1 4	WIND-SPD 08	TRACE DIR 0	5 SQUARE 4
LAT 46 59.1N	DAY 15	DATA USE I	BAROMETR 1019.8	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 66
LONG 046 45.5W	HOUR 03.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X0	ORIG 011 539	1 SQUARE 66

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.62	33.21	26.71	00.000	1443.9							
03.5	OBS	00000	- 0.62	33.210	26.71		1443.9							
	STD	00010	- 0.60	33.21	26.71	00.013	1444.2							
	OBS	00010	- 0.60	33.210	26.71		1444.2							
	STD	00020	- 0.62	33.21	26.71	00.027	1444.3							
	OBS	00020	- 0.62	33.210	26.71		1444.3							
	STD	00030	- 0.62	33.22	26.72	00.040	1444.5							
	OBS	00030	- 0.62	33.220	26.72		1444.5							
	STD	00050	00.50	33.74	27.08	00.063	1450.7							
	OBS	00050	00.50	33.740	27.08		1450.7							
	OBS	00066	00.55	33.820	27.15		1451.3							
	STD	00075	01.63	34.08	27.28	00.086	1456.6							
	OBS	00075	01.63	34.080	27.28		1456.6							
	OBS	00096	02.64	34.220	27.32		1461.6							
	STD	00100	01.94	34.21	27.37	00.105	1458.6							
	OBS	00108	01.04	34.210	27.43		1454.7							
	STD	00125	01.35	34.29	27.47	00.122	1456.5							
	OBS	00125	01.35	34.290	27.47		1456.5							
	STD	00150	01.80	34.39	27.52	00.137	1459.0							
	OBS	00150	01.80	34.390	27.52		1459.0							
	OBS	00163	01.98	34.480	27.58		1460.1							
	OBS	00182	01.81	34.480	27.59		1459.7							
	STD	00200	02.12	34.53	27.61	00.164	1461.4							
	OBS	00200	02.12	34.530	27.61		1461.4							
	STD	00250	03.27	34.72	27.66	00.188	1467.5							
	OBS	00250	03.27	34.720	27.66		1467.5							
	OBS	00270	03.22	34.710	27.65		1467.6							
	STD	00300	03.55	34.76	27.66	00.211	1469.6							
	OBS	00300	03.55	34.760	27.66		1469.6							
	OBS	00340	03.85	34.820	27.68		1471.6							
	STD	00400	04.02	34.85	27.69	00.257	1473.3							
	OBS	00400	04.02	34.850	27.69		1473.3							
	STD	00500	04.01	34.86	27.70	00.303	1475.0							
	OBS	00500	04.01	34.860	27.70		1475.0							
	STD	00600	03.92	34.87	27.71	00.348	1476.2							
	OBS	00600	03.92	34.870	27.71		1476.2							
	STD	00700	03.81	34.86	27.72	00.393	1477.4							
	OBS	00700	03.81	34.860	27.72		1477.4							
	STD	00800	03.72	34.85	27.72	00.439	1478.7							
	OBS	00800	03.72	34.850	27.72		1478.7							
	STD	00900	03.63	34.84	27.72	00.485	1480.0							
	OBS	00900	03.63	34.840	27.72		1480.0							
	STD	01000	03.54	34.84	27.73	00.531	1481.3							
	OBS	01000	03.54	34.840	27.73		1481.3							
	OBS	01020	03.55	34.850	27.73		1481.7							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID 31 8370	YEAR 1974	BOTDP 00365	AIR TEMP -01.5	DIR HGT PER	WIND-DIR 20	INST STD RECORDER	TEN SQ 1306
CONSEC 0050	MONTH 04	SHIP EV	WET BULB -02.5	31 1 4	WIND-SPD 08	TRACE DIR D	5 SQUARE 4
LAT 46 58.5N	DAY 15	DATA USE I	BAROMETR 1019.8	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 66
LONG 046 30.0W	HOUR 05.6	AREA 05	CLOUD T/A	CL/TR	WEATHER XO	ORIG 011 540	1 SQUARE 66

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.78	32.98	26.53	00.000	1442.9							
05.6	OBS	00005	- 0.78	32.980	2o.53		1443.0							
	STD	00010	- 0.76	32.98	26.53	00.015	1443.1							
	OBS	00011	- 0.76	32.980	26.53		1443.2							
	STD	00020	- 0.80	32.98	26.54	00.030	1443.1							
	OBS	00020	- 0.80	32.990	26.54		1443.1							
	STD	00030	- 0.78	33.10	26.63	00.045	1443.5							
	OBS	00030	- 0.78	33.110	26.64		1443.6							
	OBS	00032	- C.60	33.680	27.09		1445.2							
	OBS	00038	00.13	33.715	27.08		1448.7							
	OBS	00041	00.48	33.777	27.12		1450.5							
	STD	00050	00.45	33.78	27.12	0C.069	1450.5							
	OBS	00053	00.44	33.780	27.12		1450.5							
	OBS	00057	00.44	33.790	27.13		1450.6							
	OBS	00066	01.11	33.877	27.16		1453.9							
	STD	00075	03.40	34.12	27.17	00.092	1464.4							
	OBS	00076	03.44	34.150	27.19		1464.6							
	OBS	00078	03.36	34.130	27.18		1464.3							
	OBS	00087	02.34	34.015	27.18		1459.8							
	OBS	00095	02.36	34.020	27.18		1460.1							
	STD	00100	01.85	34.01	27.21	00.114	1457.9							
	OBS	00100	01.75	34.010	27.22		1457.5							
	OBS	00106	01.14	34.013	27.27		1454.8							
	OBS	00108	01.21	34.150	27.37		1455.4							
	OBS	00112	01.57	34.210	27.39		1457.1							
	OBS	00116	01.54	34.260	27.44		1457.1							
	OBS	00121	02.52	34.350	27.43		1461.7							
	STD	00125	03.13	34.42	27.44	00.133	1464.4							
	OBS	00131	03.87	34.510	27.43		1467.8							
	OBS	00139	03.95	34.510	27.42		1468.3							
	OBS	00146	03.63	34.500	27.45		1467.0							
	OBS	00148	03.71	34.540	27.47		1467.5							
	STD	00150	03.85	34.55	27.47	00.150	1468.1							
	OBS	00152	04.04	34.570	27.46		1469.0							
	OBS	00167	04.30	34.643	27.49		1470.4							
	OBS	00171	03.90	34.570	27.48		1468.7							
	OBS	00175	03.77	34.560	27.48		1468.2							
	OBS	00178	03.38	34.565	27.52		1466.6							
	OBS	00184	03.23	34.570	27.54		1466.0							
	STD	00200	04.28	34.77	27.60	00.179	1471.0							
	OBS	00201	04.36	34.790	27.60		1471.4							
	OBS	00226	04.50	34.830	27.62		1472.4							
	STD	00250	04.54	34.84	27.62	00.204	1473.0							
	OBS	00251	04.54	34.840	27.62		1473.0							
	OBS	00277	04.57	34.910	27.67		1473.7							
	STD	00300	04.58	34.90	27.67	00.229	1474.1							
	OBS	00302	04.58	34.900	27.67		1474.1							
	OBS	00350	04.24	34.910	27.71		1473.5							
	OBS	00363	04.22	34.910	27.71		1473.6							

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REFID 31 8370 YEAR 1974 BOTDP 00305 AIR TEMP 00.0 DIR HGT PER WIND-DIR 31 INST STD RECORDER TEN SQ 1306
CONSEC 0051 MONTH 04 SHIP EV WET BULB -01.8 30 1 4 WIND-SPD 08 TRACE DIR D 5 SQUARE 4
LAT 47 00.0N DAY 15 DATA USE 1 BAROMETR 1019.8 SEA WIND-FOR DURATION 00.2 2 SQUARE 66
LONG 046 16.0W HOUR 07.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 541 1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.37	32.99	26.52	00.000	1444.8							
07.3	OBS	00003	- 0.37	32.990	26.52		1444.9							
	OBS	00009	- 0.37	32.980	26.52		1444.9							
	STD	00010	- 0.37	32.98	26.52	00.015	1445.0							
	OBS	00011	- 0.35	32.990	26.52		1445.1							
	OBS	00015	- 0.26	33.110	26.62		1445.7							
	OBS	00017	00.04	33.400	26.84		1447.5							
	OBS	00019	00.57	33.600	26.97		1450.3							
	STD	00020	00.65	33.67	27.02	00.028	1450.7							
	OBS	00022	00.83	33.815	27.13		1451.8							
	OBS	00026	01.00	33.925	27.20		1452.8							
	STD	00030	01.39	33.96	27.21	00.038	1454.6							
	OBS	00030	01.49	33.973	27.21		1455.1							
	OBS	00034	02.63	34.060	27.19		1460.3							
	OBS	00043	03.25	34.166	27.21		1463.3							
	OBS	00045	03.37	34.160	27.20		1463.8							
	STD	00050	03.20	34.14	27.20	00.055	1463.1							
	OBS	00051	03.14	34.130	27.20		1462.9							
	OBS	00055	03.56	34.170	27.19		1464.8							
	OBS	00072	03.18	34.146	27.20		1463.4							
	STD	00075	02.92	34.12	27.21	00.077	1462.3							
	OBS	00076	02.83	34.115	27.22		1461.9							
	STD	00100	02.57	34.16	27.28	00.098	1461.3							
	OBS	00100	02.56	34.170	27.28		1461.2							
	OBS	00104	02.71	34.210	27.30		1462.0							
	STD	00125	03.09	34.33	27.36	00.117	1464.1							
	OBS	00125	03.09	34.330	27.36		1464.2							
	OBS	00133	03.09	34.340	27.37		1464.3							
	OBS	00142	03.38	34.357	27.36		1465.7							
	OBS	00146	03.22	34.340	27.36		1465.1							
	STD	00150	03.51	34.45	27.42	00.135	1466.5							
	OBS	00150	03.56	34.465	27.43		1466.8							
	OBS	00154	04.10	34.556	27.45		1469.2							
	OBS	00159	03.94	34.543	27.45		1468.6							
	OBS	00175	03.89	34.560	27.47		1468.7							
	STD	00200	04.49	34.69	27.51	00.167	1471.8							
	OBS	00203	04.56	34.710	27.52		1472.2							
	OBS	00226	04.83	34.825	27.58		1473.8							
	STD	00250	04.91	34.89	27.62	00.195	1474.6							
	OBS	00251	04.91	34.887	27.62		1474.6							
	OBS	00276	04.59	34.840	27.62		1473.7							
	STD	00300	04.58	34.85	27.62	00.221	1474.0							
	OBS	00300	04.58	34.850	27.63		1474.0							

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REFID 31 8370 YEAR 1974 BOTDP 00301 AIR TEMP 00.0 DIR HGT PER WIND-DIR 31 INST STD RECORDER TEN SQ 1306
CONSEC 0052 MONTH 04 SHIP EV WET BULB -01.8 29 3 4 WIND-SPD 10 TRACE DIR D 5 SQUARE 4
LAT 47 01.0N DAY 15 DATA USE I BAROMETR 1019.8 SEA WIND-FOR DURATION 00.2 2 SQUARE 66
LONG 046 02.0W HOUR 08.9 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 542 1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.37	33.31	26.75	00.000	1448.6							
08.9	OBS	00003	00.37	33.310	26.75		1448.7							
	STD	00010	00.38	33.31	26.75	00.013	1448.8							
	OBS	00011	00.38	33.313	26.75		1448.9							
	OBS	00019	00.38	33.333	26.76		1449.0							
	STD	00020	00.42	33.49	26.89	00.025	1449.5							
	OBS	00020	00.46	33.620	26.99		1449.8							
	OBS	00022	00.93	33.845	27.14		1452.3							
	STD	00030	01.32	33.94	27.19	00.036	1454.3							
	OBS	00030	01.35	33.940	27.19		1454.4							
	OBS	00032	01.48	33.955	27.20		1455.1							
	OBS	00041	02.57	34.145	27.26		1460.3							
	STD	00050	02.71	34.15	27.25	00.053	1461.0							
	OBS	00051	02.73	34.150	27.25		1461.1							
	OBS	00057	02.42	34.113	27.25		1459.8							
	STD	00075	02.57	34.14	27.26	00.074	1460.8							
	OBS	00079	02.63	34.153	27.26		1461.2							
	STD	00100	02.95	34.24	27.30	00.094	1463.0							
	OBS	00100	02.96	34.240	27.30		1463.1							
	STD	00125	02.96	34.32	27.37	00.113	1463.6							
	OBS	00125	02.96	34.320	27.37		1463.6							
	STD	00150	03.04	34.36	27.40	00.131	1464.4							
	OBS	00150	03.04	34.363	27.40		1464.4							
	OBS	00158	03.00	34.360	27.40		1464.3							
	OBS	00177	03.54	34.510	27.46		1467.2							
	OBS	00190	03.68	34.580	27.51		1468.1							
	STD	00200	04.10	34.66	27.53	00.163	1470.1							
	OBS	00203	04.23	34.690	27.54		1470.8							
	OBS	00230	04.56	34.800	27.59		1472.7							
	STD	00250	04.47	34.80	27.60	00.191	1472.7							
	OBS	00251	04.46	34.800	27.60		1472.7							
	OBS	00276	04.24	34.815	27.64		1472.2							
	OBS	00298	04.25	34.830	27.65		1472.6							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID 31 8370	YEAR 1974	BOTDP 04045	AIR TEMP 05.0	DIR HGT PER	WIND-DIR 04	INST STD RECORDER	TEN SQ 1306
CONSEC 0053	MONTH 04	SHIP EV	WET BULB 05.0	24 1 2	WIND-SPD 06	TRACE DIR D	5 SQUARE 3
LAT 46 24.6N	DAY 25	DATA USE 1	BAROMETR 1023.7	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 60
LONG 041 50.5W	HOUR 12.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	CRIG 011 543	1 SQUARE 61

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.24	34.19	27.14	00.000	1466.8							
12.3	OBS	00003	04.24	34.190	27.14		1466.8							
	STD	00010	04.23	34.19	27.14	00.009	1466.9							
	OBS	00011	04.22	34.190	27.14		1466.9							
	STD	00020	04.13	34.19	27.15	00.019	1466.7							
	OBS	00020	04.12	34.190	27.15		1466.6							
	STD	00030	03.96	34.19	27.17	00.028	1466.1							
	OBS	00030	03.95	34.187	27.17		1466.1							
	OBS	00038	03.88	34.170	27.16		1465.9							
	STD	00050	03.79	34.18	27.18	00.046	1465.7							
	OBS	00051	03.78	34.180	27.18		1465.7							
	STD	00075	03.48	34.27	27.28	00.067	1464.9							
	OBS	00076	03.47	34.270	27.28		1464.9							
	STD	00100	03.28	34.30	27.32	00.087	1464.5							
	OBS	00100	03.27	34.300	27.32		1464.5							
	STD	00125	03.02	34.31	27.35	00.106	1463.8							
	OBS	00125	03.02	34.310	27.35		1463.8							
	STD	00150	02.87	34.32	27.37	00.124	1463.6							
	OBS	00152	02.86	34.320	27.38		1463.6							
	OBS	00177	02.79	34.410	27.46		1463.8							
	OBS	00199	02.67	34.470	27.51		1463.8							
	STD	00200	02.67	34.47	27.51	00.157	1463.8							
	OBS	00201	02.68	34.470	27.51		1463.8							
	OBS	00226	02.69	34.460	27.50		1464.3							
	STD	00250	02.70	34.52	27.55	00.186	1464.8							
	OBS	00253	02.70	34.520	27.55		1464.8							
	OBS	00277	02.71	34.530	27.56		1465.3							
	STD	00300	02.72	34.53	27.56	00.214	1465.7							
	OBS	00302	02.73	34.530	27.56		1465.8							
	OBS	00350	02.96	34.650	27.63		1467.7							
	STD	00400	03.27	34.67	27.62	00.268	1469.9							
	OBS	00403	03.30	34.680	27.62		1470.1							
	OBS	00451	03.72	34.820	27.69		1472.9							
	STD	00500	03.86	34.86	27.71	00.315	1474.3							
	OBS	00502	03.86	34.860	27.71		1474.4							
	OBS	00552	03.91	34.880	27.72		1475.4							
	STD	00600	03.88	34.89	27.73	00.359	1476.1							
	OBS	00601	03.88	34.890	27.73		1476.1							
	OBS	00651	03.84	34.890	27.74		1476.8							
	STD	00700	03.81	34.89	27.74	00.402	1477.5							
	OBS	00702	03.81	34.890	27.74		1477.5							
	OBS	00751	03.77	34.880	27.74		1478.2							
	STD	00800	03.72	34.88	27.74	00.445	1478.7							
	OBS	00801	03.72	34.880	27.74		1478.8							
	OBS	00850	03.67	34.880	27.75		1479.4							
	STD	00900	03.65	34.88	27.75	00.489	1480.1							
	OBS	00902	03.65	34.880	27.75		1480.1							
	OBS	00953	03.59	34.880	27.75		1480.8							
	STD	01000	03.56	34.88	27.76	00.532	1481.4							
	OBS	01001	03.56	34.880	27.76		1481.4							
	OBS	01024	03.55	34.876	27.76		1481.8							

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REFID 31 8370 YEAR 1974 BOTDP 04200 AIR TEMP 06.5 DIR HGT PER WIND-DIR 16 INST STD RECORDER TEN SQ 1306
CONSEC 0054 MONTH 04 SHIP EV WET BULB 06.5 01 1 5 WIND-SPD 04 TRACE DIR D 5 SQUARE 3
LAT 46 18.5N DAY 25 DATA USE 1 BAROMETR 1023.3 SEA WIND-FOR DURATION 00.4 2 SQUARE 60
LONG 041 49.2W HOUR 13.9 AREA 05 CLOUD T/A CL/TR WEATHER X4 CRIG 011 5440014 1 SQUARE 61

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.24	34.19	27.14	00.000	1466.8							
13.9	OBS	00003	04.24	34.190	27.14		1466.8							
	STD	00010	04.23	34.19	27.14	00.009	1466.9							
	OBS	00011	04.22	34.190	27.14		1466.9							
	STD	00020	04.13	34.19	27.15	00.019	1466.7							
	OBS	00020	04.12	34.190	27.15		1466.6							
	STD	00030	03.96	34.19	27.17	00.028	1466.1							
	OBS	00030	03.95	34.187	27.17		1466.1							
	OBS	00047	03.79	34.180	27.18		1465.7							
	STD	00050	03.78	34.18	27.18	00.046	1465.7							
	OBS	00051	03.78	34.180	27.18		1465.7							
	STD	00075	03.48	34.27	27.28	00.067	1464.9							
	OBS	00076	03.47	34.270	27.28		1464.9							
	STD	00100	03.28	34.30	27.32	00.087	1464.5							
	OBS	00100	03.27	34.300	27.32		1464.5							
	STD	00125	03.02	34.31	27.35	00.106	1463.8							
	OBS	00125	03.02	34.310	27.35		1463.8							
	STD	00150	02.87	34.32	27.37	00.124	1463.6							
	OBS	00152	02.86	34.320	27.38		1463.6							
	OBS	00177	02.79	34.410	27.46		1463.8							
	OBS	00199	02.67	34.470	27.51		1463.8							
	STD	00200	02.67	34.47	27.51	00.157	1463.8							
	OBS	00201	02.68	34.470	27.51		1463.8							
	OBS	00226	02.69	34.460	27.50		1464.3							
	STD	00250	02.70	34.52	27.55	00.186	1464.8							
	OBS	00253	02.70	34.520	27.55		1464.8							
	OBS	00277	02.71	34.530	27.56		1465.3							
	STD	00300	02.72	34.53	27.56	00.214	1465.7							
	OBS	00302	02.73	34.530	27.56		1465.8							
	OBS	00350	02.96	34.650	27.63		1467.7							
	STD	00400	03.30	34.67	27.61	00.268	1470.0							
	OBS	00401	03.31	34.670	27.61		1470.1							
	OBS	00453	03.70	34.790	27.67		1472.8							
	STD	00500	03.85	34.86	27.71	00.316	1474.3							
	OBS	00502	03.86	34.860	27.71		1474.4							
	OBS	00552	03.91	34.880	27.72		1475.4							
	STD	00600	03.88	34.89	27.73	00.359	1476.1							
	OBS	00601	03.88	34.890	27.73		1476.1							
	OBS	00651	03.84	34.890	27.74		1476.8							
	STD	00700	03.81	34.89	27.74	00.402	1477.5							
	OBS	00702	03.81	34.890	27.74		1477.5							
	OBS	00751	03.77	34.865	27.72		1478.1							
	STD	00800	03.72	34.88	27.74	00.446	1478.7							
	OBS	00801	03.72	34.880	27.74		1478.8							
	OBS	00850	03.67	34.880	27.75		1479.4							
	STD	00900	03.65	34.88	27.75	00.489	1480.1							
	OBS	00902	03.65	34.880	27.75		1480.1							
	OBS	00953	03.59	34.880	27.75		1480.8							
	STD	01000	03.56	34.88	27.76	00.533	1481.4							
	OBS	01001	03.56	34.880	27.76		1481.4							
	OBS	01020	03.56	34.872	27.75		1481.7							

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REFID 31 8370	YEAR 1974	BOTDP 04495	AIR TEMP 09.8	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CONSEC 0055	MONTH 04	SHIP EV	WET BULB 09.8	23 2 5	WIND-SPD 05	TRACE DIR D	5 SQUARE 3
LAT 46 06.4N	DAY 25	DATA USE 1	BAROMETR 1023.5	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 60
LONG 041 51.4W	HOUR 19.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 545	1 SQUARE 61

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
19.2	OBS	00009	04.86	33.843	26.80		1469.1							
	STD	00010	04.85	33.84	26.80		1469.0							
	OBS	00011	04.84	33.837	26.79		1469.0							
	STD	00020	04.83	33.82	26.78		1469.1							
	OBS	00020	04.83	33.820	26.78		1469.1							
	STD	00030	04.87	33.83	26.78		1469.4							
	OBS	00030	04.87	33.827	26.78		1469.4							
	STD	00050	05.21	33.98	26.86		1471.3							
	OBS	00051	05.22	33.980	26.86		1471.4							
	OBS	00055	05.25	33.975	26.86		1471.6							
	OBS	00060	05.72	34.120	26.91		1473.8							
	STD	00075	05.38	34.06	26.90		1472.5							
	OBS	00076	05.37	34.050	26.90		1472.5							
	STD	00100	06.02	34.29	27.01		1475.9							
	OBS	00100	06.07	34.295	27.01		1476.1							
	OBS	00104	06.31	34.305	26.99		1477.1							
	OBS	00114	08.29	34.660	26.98		1485.5							
	OBS	00123	09.13	34.870	27.02		1489.0							
	STD	00125	09.12	34.86	27.01		1489.0							
	OBS	00125	09.11	34.850	27.00		1489.0							
	STD	00150	09.07	34.87	27.03		1489.3							
	OBS	00161	09.05	34.880	27.04		1489.4							
	OBS	00165	08.76	34.865	27.07		1488.3							
	OBS	00175	08.62	34.877	27.10		1488.0							
	OBS	00190	07.60	34.760	27.16		1484.2							
	STD	00200	07.08	34.67	27.16		1482.2							
	OBS	00201	07.01	34.660	27.17		1482.0							
	OBS	00205	06.88	34.660	27.19		1481.5							
	OBS	00209	06.59	34.648	27.22		1480.4							
	OBS	00226	06.64	34.680	27.24		1480.9							
	OBS	00234	06.60	34.680	27.24		1480.9							
	OBS	00241	06.96	34.797	27.29		1482.6							
	OBS	00243	06.98	34.800	27.28		1482.7							
	OBS	00245	07.32	34.860	27.28		1484.1							
	STD	00250	07.33	34.87	27.29		1484.3							
	OBS	00251	07.33	34.870	27.29		1484.3							
	OBS	00274	07.05	34.870	27.33		1483.6							
	OBS	00279	06.85	34.835	27.33		1482.8							
	STD	00300	06.27	34.79	27.37		1480.8							
	OBS	00306	06.17	34.790	27.39		1480.5							
	OBS	00336	06.31	34.870	27.43		1481.7							
	OBS	00342	05.60	34.770	27.44		1478.8							
	OBS	00350	05.36	34.770	27.47		1477.9							
	STD	00400	05.26	34.85	27.55		1478.5							
	OBS	00405	05.25	34.853	27.55		1478.5							
	OBS	00451	05.36	34.860	27.54		1479.7							
	STD	00500	05.16	34.86	27.57		1479.7							
	OBS	00512	05.11	34.880	27.59		1479.7							
	OBS	00550	04.97	34.970	27.68		1479.9							
	OBS	00590	05.01	34.970	27.67		1480.7							
	OBS	00599	04.45	34.860	27.65		1478.4							
	STD	00600	04.44	34.87	27.65		1478.4							
	OBS	00601	04.42	34.890	27.68		1478.4							
	OBS	00652	04.23	34.870	27.68		1478.4							
	OBS	00654	04.25	34.870	27.68		1478.5							
	OBS	00685	04.52	34.890	27.66		1480.2							
	STD	00700	04.48	34.89	27.67		1480.3							
	OBS	00702	04.47	34.890	27.67		1480.3							
	STD	00800	04.34	34.89	27.68		1481.4							
	OBS	00860	04.24	34.880	27.69		1481.9							
	STD	00900	04.16	34.87	27.69		1482.2							
	OBS	00900	04.16	34.870	27.69		1482.2							
	OBS	00951	04.11	34.870	27.69		1482.9							
	STD	01000	04.04	34.86	27.69		1483.4							
	OBS	01001	04.04	34.860	27.69		1483.4							
	OBS	01016	04.02	34.870	27.70		1483.6							
	OBS	01022	04.03	34.860	27.69		1483.7							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID 31 8370 YEAR 1974 BOTDP 04524 AIR TEMP 13.9 DIR HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1306
CONSEC 0056 MONTH 04 SHIP EV WET BULB 13.8 24 3 2 WIND-SPD 12 TRACE DIR D 5 SQUARE 3
LAT 45 55.7N DAY 26 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR DURATION 00.7 2 SQUARE 40
LONG 041 44.0W HOUR 01.1 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 546 1 SQUARE 51

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	12.92	35.46	26.78	00.000	1501.2							
01.1	OBS	00007	12.92	35.460	26.78		1501.3							
	STD	00010	12.92	35.46	26.78	00.013	1501.3							
	OBS	00011	12.92	35.460	26.78		1501.4							
	STD	00020	12.92	35.46	26.78	00.026	1501.5							
	OBS	00022	12.92	35.460	26.78		1501.6							
	STD	00030	12.92	35.46	26.78	00.038	1501.7							
	OBS	00030	12.92	35.460	26.78		1501.7							
	STD	00050	12.90	35.46	26.79	00.064	1501.9							
	OBS	00051	12.90	35.465	26.79		1502.0							
	STD	00075	12.92	35.47	26.79	00.096	1502.4							
	OBS	00076	12.92	35.470	26.79		1502.4							
	STD	00100	12.92	35.47	26.79	00.128	1502.8							
	OBS	00100	12.92	35.470	26.79		1502.8							
	OBS	00118	13.44	35.660	26.83		1505.1							
	STD	00125	13.62	35.69	26.82	00.160	1505.8							
	OBS	00125	13.63	35.696	26.82		1505.9							
	OBS	00129	13.69	35.710	26.82		1506.2							
	OBS	00146	13.97	35.820	26.84		1507.5							
	STD	00150	13.99	35.82	26.84	00.192	1507.6							
	OBS	00152	14.00	35.825	26.84		1507.7							
	OBS	00163	12.08	35.300	26.82		1500.8							
	OBS	00171	10.77	35.010	26.84		1496.0							
	OBS	00175	10.59	34.990	26.86		1495.4							
	OBS	00182	10.59	35.020	26.88		1495.5							
	STD	00200	11.37	35.18	26.86	00.255	1498.8							
	OBS	00205	11.49	35.220	26.87		1499.3							
	OBS	00226	11.38	35.340	26.99		1499.5							
	STD	00250	11.03	35.28	27.01	00.314	1498.5							
	STD	00300	10.28	35.16	27.04	00.369	1496.5							
	OBS	00357	09.41	35.010	27.08		1494.1							
	OBS	00359	09.31	34.995	27.08		1493.8							
	OBS	00367	08.64	34.860	27.09		1491.2							
	OBS	00373	07.21	34.603	27.10		1485.5							
	OBS	00376	06.78	34.530	27.10		1483.8							
	OBS	00382	06.60	34.620	27.20		1483.3							
	STD	00400	06.66	34.66	27.22	00.470	1483.8							
	OBS	00403	06.67	34.667	27.22		1483.9							
	OBS	00409	06.53	34.640	27.22		1483.4							
	OBS	00416	05.67	34.470	27.20		1479.9							
	OBS	00418	05.51	34.460	27.21		1479.3							
	OBS	00451	05.50	34.530	27.27		1479.9							
	STD	00500	05.26	34.67	27.40	00.553	1479.9							
	OBS	00500	05.24	34.670	27.41		1479.8							
	OBS	00504	05.11	34.645	27.40		1479.3							
	OBS	00519	05.24	34.670	27.41		1480.1							
	OBS	00529	05.79	34.790	27.43		1482.7							
	OBS	00531	05.81	34.800	27.44		1482.8							
	OBS	00544	06.39	34.880	27.43		1485.4							
	OBS	00567	06.05	34.845	27.44		1484.4							
	STD	00600	06.04	34.87	27.46	00.626	1485.0							
	OBS	00614	06.04	34.870	27.47		1485.2							
	OBS	00651	05.47	34.870	27.54		1483.5							
	OBS	00654	05.54	34.945	27.59		1483.9							
	OBS	00662	05.84	34.997	27.59		1485.3							
	STD	00700	05.63	34.97	27.60	00.692	1485.1							
	OBS	00700	05.63	34.970	27.60		1485.1							
	OBS	00751	05.44	35.005	27.65		1485.2							
	STD	00800	05.23	35.00	27.67	00.748	1485.1							
	OBS	00801	05.22	35.000	27.67		1485.1							
	OBS	00824	05.13	34.990	27.67		1485.1							
	STD	00900	04.56	34.89	27.66	00.801	1483.9							
	OBS	00925	04.52	34.880	27.66		1484.2							
	OBS	00927	04.52	34.880	27.66		1484.2							
	OBS	00959	04.50	34.880	27.66		1484.7							
	STD	01000	04.33	34.87	27.67	00.855	1484.6							
	OBS	01001	04.29	34.868	27.67		1484.5							
	OBS	01003	04.23	34.860	27.67		1484.2							
	OBS	01020	04.25	34.860	27.67		1484.6							

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REFID 31 8370 YEAR 1974 BOTDP 00078 AIR TEMP 01.9 DIR HGT PER WIND-DIR 01 INST STD RECORDER TEN SQ 1306
CONSEC 0057 MONTH 04 SHIP EV WET BULB 01.3 00 0 X WIND-SPD 12 TRACE DIR D 5 SQUARE 4
LAT 46 38.5N DAY 29 DATA USE 1 BAROMETR 1026.4 SEA WIND-FOR DURATION 00.1 2 SQUARE 68
LONG 048 44.8W HOUR 05.0 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 547 1 SQUARE 68

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.08	32.81	26.36	00.000	1446.6							
05.0	OBS	00001	00.08	32.810	26.36		1446.7							
	STD	00010	00.09	32.81	26.36	00.017	1446.8							
	OBS	00011	00.09	32.810	26.36		1446.9							
	OBS	00019	- 0.04	32.797	26.35		1446.4							
	STD	00020	- 0.12	32.86	26.41	00.033	1446.1							
	OBS	00020	- 0.18	32.903	26.45		1445.9							
	STD	00030	- 0.36	32.91	26.46	00.049	1445.2							
	OBS	00030	- 0.37	32.915	26.46		1445.2							
	OBS	00045	- 0.90	32.930	26.50		1443.0							

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REFID 31 8370	YEAR 1974	BOTDP 00095	AIR TEMP 01.9	DIR HGT PER	WIND-DIR 01	INST STD RECORDER	TEN SQ 1306
CONSEC 0058	MONTH 04	SHIP EV	WET BULB 01.3	00 0 X	WIND-SPD 12	TRACE DIR D	5 SQUARE 4
LAT 46 35.0N	DAY 29	DATA USE 1	BAROMETR 1028.1	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 68
LONG 048 26.0W	HOUR 07.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 548	1 SQUARE 68

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.37	32.93	26.48	00.000	1444.7							
07.3	OBS	00001	- 0.37	32.930	26.48		1444.7							
	STD	00010	- 0.37	32.93	26.48	00.016	1444.5							
	OBS	00011	- 0.37	32.930	26.48		1444.9							
	STD	00020	- 0.38	32.93	26.48	00.031	1445.0							
	OBS	00020	- 0.39	32.930	26.48		1445.0							
	STD	00030	- 0.52	32.93	26.48	00.047	1444.5							
	OBS	00030	- 0.53	32.930	26.48		1444.5							
	STD	00050	- 0.74	32.94	26.49	00.078	1443.8							
	OBS	00051	- 0.76	32.940	26.50		1443.8							
	STD	00075	- 1.38	33.11	26.65	00.115	1441.5							
	OBS	00076	- 1.39	33.115	26.66		1441.5							
	OBS	00081	- 1.41	33.140	26.68		1441.5							
	OBS	00089	- 1.39	33.140	26.68		1441.7							

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REFID 31 8370	YEAR 1974	BOTDP C0101	AIR TEMP 01.9	DIR HGT PER	WIND-DIR 01	INST STD RECORDER	TEN SQ 1306
CONSEC 0059	MONTH 04	SHIP EV	WET BULB 01.3	00 0 X	WIND-SPD 12	TRACE DIR D	5 SQUARE 4
LAT 46 31.0N	DAY 29	DATA USE 1	BAROMETR 1028.1	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 68
LONG 048 14.8W	HOUR 08.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 549	1 SQUARE 68

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.37	33.04	26.56	00.000	1444.9							
08.4	OBS	00001	- 0.37	33.040	26.56		1444.9							
	STD	00010	- 0.37	33.04	26.56	00.015	1445.0							
	OBS	00011	- 0.37	33.040	26.56		1445.1							
	STD	00020	- 0.36	33.04	26.56	00.030	1445.2							
	OBS	00020	- 0.36	33.040	26.56		1445.3							
	STD	00030	- 0.37	33.05	26.57	00.044	1445.4							
	OBS	00030	- 0.37	33.050	26.57		1445.4							
	OBS	00032	- 0.37	33.030	26.56		1445.4							
	OBS	00041	- 0.55	33.040	26.57		1444.7							
	OBS	00045	- 0.89	33.040	26.58		1443.2							
	OBS	00047	- 0.94	33.030	26.58		1443.0							
	STD	00050	- 1.10	33.06	26.60	00.074	1442.3							
	OBS	00051	- 1.19	33.070	26.62		1441.9							
	STD	00075	- 1.46	33.14	26.68	00.109	1441.2							
	OBS	00076	- 1.46	33.140	26.68		1441.2							
	OBS	00081	- 1.47	33.153	26.69		1441.2							
	OBS	00095	- 1.44	33.240	26.76		1441.7							

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REFID 31 8370	YEAR 1974	BOTDP 00115	AIR TEMP 50.1	DIR HGT PER	WIND-DIR 01	INST STD RECORDER	TEN SQ 1306
CONSEC 0060	MONTH 04	SHIP EV	WET BULB 50.3	00 0 X	WIND-SPD 12	TRACE DIR D	5 SQUARE 4
LAT 46 28.0N	DAY 29	DATA USE 1	BAROMETR 1028.8	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 68
LONG 048 00.0W	HOUR 10.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 5500018	1 SQUARE 68

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.50	33.06	26.59	00.000	1444.3							
10.0	OBS	00001	- 0.50	33.060	26.59		1444.3							
	STD	00010	- 0.51	33.06	26.59	00.015	1444.4							
	OBS	00011	- 0.51	33.060	26.59		1444.4							
	STD	00020	- 0.51	33.06	26.59	00.029	1444.6							
	OBS	00020	- 0.51	33.060	26.59		1444.6							
	STD	00030	- 0.52	33.06	26.59	00.044	1444.7							
	OBS	00030	- 0.53	33.060	26.59		1444.7							
	OBS	00032	- 0.58	33.050	26.58		1444.4							
	STD	00050	- 0.79	33.09	26.62	00.073	1443.8							
	OBS	00051	- 0.81	33.090	26.62		1443.7							
	OBS	00066	- 0.98	33.080	26.62		1443.2							
	STD	00075	- 1.06	33.12	26.66	00.108	1443.0							
	OBS	00076	- 1.08	33.130	26.66		1442.9							
	OBS	00091	- 1.53	33.255	26.78		1441.2							
	STD	00100	- 1.41	33.30	26.81	00.141	1442.0							
	OBS	00100	- 1.40	33.300	26.81		1442.1							
	OBS	00108	- 1.39	33.300	26.81		1442.3							

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REFID 31 8370	YEAR 1974	BOTDP 00137	AIR TEMP 00.5	DIR HGT PER	WIND-DIR 08	INST STD RECORDER	TEN SQ 1306
CONSEC 0061	MONTH 04	SHIP EV	WET BULB 00.5	00 0 X	WIND-SPD 09	TRACE DIR D	5 SQUARE 4
LAT 46 23.0N	DAY 29	DATA USE 1	BAROMETR 1028.1	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 66
LONG 047 46.5W	HOUR 11.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 5510016	1 SQUARE 67

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.42	33.09	26.61	0C.000	1444.7							
11.1	OBS	00001	- 0.42	33.090	26.61		1444.7							
	STD	00010	- 0.46	33.07	26.55	00.014	1444.7							
	OBS	00011	- 0.47	33.072	26.59		1444.6							
	STD	00020	- 0.57	33.07	26.60	00.029	1444.3							
	OBS	00020	- 0.58	33.070	26.60		1444.3							
	STD	00030	- 0.71	33.09	26.62	00.043	1443.8							
	OBS	00030	- 0.72	33.090	26.62		1443.8							
	OBS	00049	- 0.89	33.060	26.60		1443.3							
	STD	00050	- 0.89	33.06	26.60	00.072	1443.3							
	OBS	00053	- 0.93	33.077	26.61		1443.2							
	OBS	00059	- 1.08	33.090	26.63		1442.6							
	OBS	00062	- 1.58	33.095	26.65		1440.3							
	STD	00075	- 1.68	33.13	26.68	00.107	1440.1							
	OBS	00076	- 1.69	33.145	26.69		1440.1							
	OBS	00083	- 1.74	33.255	26.78		1440.1							
	STD	00100	- 1.61	33.28	26.80	00.140	1441.1							
	OBS	00100	- 1.60	33.280	26.80		1441.1							
	OBS	00118	- 1.44	33.430	26.92		1442.4							
	STD	00125	- 1.14	33.44	26.91	00.170	1443.9							
	OBS	00125	- 1.12	33.440	26.91		1444.0							
	OBS	00131	- 0.97	33.495	26.95		1444.9							

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REFID 31 8370	YEAR 1974	BOTDP 00219	AIR TEMP 02.2	DIR HGT PER	WIND-DIR 08	INST STD RECORDER	TEN SQ 1306
CONSEC 0062	MONTH 04	SHIP EV	WET BULB 02.0	00 0 X	WIND-SPD 10	TRACE DIR D	5 SQUARE 4
LAT 46 20.5N	DAY 29	DATA USE 1	BARCMETR 1027.8	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 66
LONG 047 31.0W	HOUR 12.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 5520016	1 SQUARE 67

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.94	33.07	26.61	00.000	1442.3							
12.4	OBS	00001	- 0.94	33.070	26.61		1442.3							
	OBS	00007	- C.93	33.067	26.61		1442.4							
	STD	00010	- 0.95	33.07	26.61	00.014	1442.4							
	OBS	00011	- 0.96	33.070	26.61		1442.4							
	STD	00020	- C.98	33.07	26.61	00.029	1442.4							
	OBS	00020	- C.99	33.070	26.61		1442.4							
	STD	00030	- 1.07	33.08	26.62	00.043	1442.1							
	OBS	00030	- 1.08	33.080	26.62		1442.1							
	OBS	00040	- 1.24	33.090	26.64		1441.5							
	STD	00050	- 1.71	33.14	26.69	00.071	1439.6							
	OBS	00051	- 1.75	33.150	26.70		1439.4							
	STD	00075	- 1.65	33.29	26.81	00.103	1440.5							
	OBS	00076	- 1.64	33.300	26.82		1440.5							
	STD	00100	- 1.45	33.42	26.91	00.133	1442.0							
	OBS	00100	- 1.44	33.420	26.91		1442.1							
	STD	00125	- 1.17	33.49	26.96	00.161	1443.8							
	OBS	00125	- 1.16	33.495	26.96		1443.9							
	STD	00150	- 0.54	33.64	27.06	00.188	1447.4							
	OBS	00150	- 0.53	33.643	27.06		1447.4							
	OBS	00177	- 0.49	33.650	27.06		1448.1							
	STD	00200	- 0.49	33.65	27.06	00.238	1448.5							
	OBS	00201	- 0.49	33.650	27.06		1448.5							
	OBS	00215	- 0.49	33.636	27.05		1448.7							

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REFID 31 8370	YEAR 1974	BOTDP 01156	AIR TEMP 01.1	DIR HGT PER	WIND-DIR 11	INST STD RECORDER	TEN SQ 1306
CONSEC 0063	MONTH 04	SHIP EV	WET BULB 00.8	18 0 4	WIND-SPD 12	TRACE DIR D	5 SQUARE 4
LAT 46 12.0N	DAY 29	DATA USE 1	BAROMETR 1027.6	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 66
LONG 047 08.5W	HOUR 14.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 5530011	1 SQUARE 67

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.62	33.09	26.61	00.000	1443.8							
14.5	OBS	00003	- 0.62	33.087	26.61		1443.8							
	STD	00010	- 0.63	33.08	26.61	00.014	1443.9							
	OBS	00011	- 0.66	33.080	26.61		1443.8							
	OBS	00015	- 0.80	33.060	26.60		1443.1							
	STD	00020	- 0.95	33.06	26.61	00.029	1442.5							
	OBS	00020	- C.98	33.065	26.61		1442.4							
	STD	00030	- 1.23	33.08	26.62	00.043	1441.4							
	OBS	00030	- 1.24	33.080	26.63		1441.4							
	OBS	00049	- 1.58	33.300	26.81		1440.4							
	STD	00050	- 1.58	33.29	26.81	00.070	1440.4							
	OBS	00051	- 1.57	33.280	26.80		1440.4							
	OBS	00060	- 1.22	33.490	26.96		1442.5							
	STD	00075	- 0.71	33.73	27.14	00.097	1445.5							
	OBS	00076	- 0.66	33.750	27.15		1445.8							
	OBS	00087	- 0.01	33.930	27.26		1449.2							
	OBS	00093	00.99	33.975	27.24		1453.9							
	OBS	00097	00.69	33.975	27.26		1452.6							
	STD	00100	00.99	34.06	27.31	00.118	1454.1							
	OBS	00102	01.19	34.105	27.34		1455.1							
	OBS	00106	01.32	34.107	27.33		1455.8							
	OBS	00114	01.91	34.175	27.34		1458.6							
	OBS	00119	01.97	34.180	27.34		1459.0							
	OBS	00123	01.52	34.155	27.35		1457.0							
	STD	00125	01.43	34.18	27.38	00.137	1456.7							
	OBS	00125	01.39	34.190	27.39		1456.5							
	STD	00150	01.51	34.30	27.47	00.154	1457.6							
	OBS	00150	01.51	34.300	27.47		1457.6							
	OBS	00175	01.77	34.420	27.55		1459.3							
	STD	00200	02.05	34.47	27.56	00.183	1461.1							
	OBS	00201	02.07	34.470	27.56		1461.2							
	OBS	00226	C2.30	34.530	27.59		1462.7							
	STD	00250	02.36	34.53	27.59	00.210	1463.3							
	OBS	00253	02.39	34.530	27.59		1463.5							
	OBS	00279	02.93	34.660	27.64		1466.5							
	STD	00300	03.06	34.67	27.64	00.235	1467.4							
	OBS	00300	03.07	34.670	27.64		1467.4							
	OBS	00350	03.45	34.790	27.70		1470.0							
	STD	00400	03.80	34.85	27.71	00.281	1472.4							
	OBS	00401	03.81	34.850	27.71		1472.5							
	OBS	00451	03.82	34.865	27.72		1473.4							
	STD	00500	03.90	34.86	27.71	00.325	1474.5							
	OBS	00502	03.90	34.860	27.71		1474.5							
	OBS	00550	03.91	34.870	27.71		1475.4							
	STD	00600	03.91	34.87	27.71	00.369	1476.2							
	OBS	00603	03.91	34.870	27.71		1476.3							
	OBS	00651	03.86	34.870	27.72		1476.8							
	STD	00700	03.86	34.87	27.72	00.414	1477.7							
	OBS	00700	03.86	34.870	27.72		1477.7							
	OBS	00750	03.81	34.870	27.72		1478.3							
	STD	00800	03.73	34.87	27.73	00.459	1478.8							
	OBS	00801	03.73	34.870	27.73		1478.8							
	OBS	00850	03.70	34.860	27.73		1479.5							
	STD	00900	03.66	34.86	27.73	00.504	1480.1							
	OBS	00900	03.66	34.860	27.73		1480.1							
	OBS	00951	03.65	34.850	27.72		1480.9							
	STD	01000	03.70	34.86	27.73	00.550	1482.0							
	OBS	01001	03.70	34.860	27.73		1482.0							
	OBS	01022	03.66	34.853	27.73		1482.2							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID 31 8370 YEAR 1974 AOTDP 01410 AIR TEMP 03.5 DIR HGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1306
CONSEC 0064 MONTH 04 SHIP EV WET BULB 03.0 00 0 X WIND-SPD 08 TRACE DIR 0 5 SQUARE 4
LAT 46 06.7N DAY 29 DATA USE 1 BAROMETR 1026.8 SEA WIND-FOR DURATION 00.5 2 SQUARE 66
LONG 046 51.7W HOUR 17.2 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 5540008 1 SQUARE 66

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.02	33.27	26.68	00.000	1451.5							
17.2	OBS	00003	01.02	33.274	26.68		1451.6							
	OBS	00005	01.03	33.270	26.68		1451.7							
	STD	00010	01.01	33.28	26.68	00.014	1451.7							
	OBS	00013	01.00	33.285	26.69		1451.7							
	STD	00020	00.98	33.30	26.70	00.027	1451.7							
	OBS	00020	00.96	33.300	26.70		1451.6							
	OBS	00022	00.91	33.290	26.70		1451.4							
	STD	00030	02.18	33.56	26.83	00.040	1457.6							
	OBS	00032	02.45	33.620	26.85		1458.9							
	OBS	00045	02.48	33.640	26.87		1459.3							
	OBS	00047	02.10	33.600	26.87		1457.4							
	STD	00050	01.97	33.70	26.96	00.064	1457.4							
	OBS	00051	01.91	33.750	27.00		1457.0							
	OBS	00064	01.78	33.757	27.02		1456.7							
	OBS	00070	01.76	33.960	27.18		1456.9							
	OBS	00072	02.11	34.085	27.25		1458.7							
	STD	00075	02.32	34.09	27.24	00.088	1459.7							
	OBS	00089	03.13	34.200	27.26		1463.6							
	OBS	00097	03.32	34.310	27.33		1464.6							
	STD	00100	03.50	34.36	27.35	00.108	1465.5							
	OBS	00104	03.75	34.420	27.37		1466.7							
	STD	00125	03.97	34.51	27.42	00.126	1468.1							
	OBS	00127	04.00	34.510	27.42		1468.3							
	OBS	00137	03.91	34.490	27.41		1468.0							
	OBS	00140	04.24	34.620	27.48		1469.7							
	STD	00150	04.09	34.60	27.48	00.142	1469.2							
	OBS	00150	04.08	34.600	27.48		1469.1							
	OBS	00152	04.29	34.620	27.48		1470.1							
	OBS	00169	04.30	34.645	27.49		1470.4							
	OBS	00184	04.67	34.715	27.51		1472.3							
	OBS	00194	04.54	34.750	27.55		1472.0							
	STD	00200	04.75	34.80	27.57	00.171	1473.0							
	OBS	00201	04.79	34.810	27.57		1473.2							
	OBS	00218	04.67	34.815	27.59		1473.0							
	OBS	00226	04.77	34.820	27.58		1473.6							
	STD	00250	04.96	34.88	27.60	00.198	1474.8							
	OBS	00251	04.97	34.880	27.60		1474.9							
	OBS	00276	04.99	34.870	27.59		1475.3							
	STD	00300	04.93	34.88	27.61	00.225	1475.5							
	OBS	00300	04.92	34.880	27.61		1475.5							
	OBS	00316	04.77	34.875	27.62		1475.1							
	OBS	00325	04.22	34.805	27.63		1472.9							
	OBS	00329	04.06	34.810	27.65		1472.3							
	OBS	00335	04.24	34.820	27.64		1473.1							
	OBS	00346	03.91	34.820	27.67		1471.9							
	OBS	00352	03.97	34.810	27.66		1472.3							
	STD	00400	04.17	34.87	27.69	00.274	1474.0							
	OBS	00403	04.18	34.870	27.69		1474.1							
	OBS	00451	04.27	34.860	27.67		1475.2							
	STD	00500	04.40	34.89	27.68	00.321	1476.6							
	OBS	00500	04.40	34.890	27.68		1476.6							
	OBS	00550	04.31	34.880	27.68		1477.1							
	STD	00600	04.25	34.89	27.69	00.368	1477.7							
	OBS	00630	04.16	34.890	27.70		1477.8							
	OBS	00651	04.07	34.880	27.70		1477.7							
	STD	00700	04.04	34.87	27.70	00.416	1478.4							
	OBS	00700	04.04	34.870	27.70		1478.4							
	OBS	00750	03.97	34.880	27.72		1479.0							
	STD	00800	03.78	34.88	27.74	00.461	1479.0							
	OBS	00803	03.77	34.880	27.74		1479.0							
	OBS	00850	03.77	34.880	27.74		1479.8							
	STD	00900	03.79	34.88	27.73	00.506	1480.7							
	OBS	00900	03.79	34.880	27.73		1480.7							
	OBS	00951	03.63	34.850	27.73		1480.8							
	STD	01000	03.65	34.86	27.73	00.552	1481.7							
	OBS	01001	03.65	34.860	27.73		1481.8							
	OBS	01022	03.62	34.850	27.73		1482.0							

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REFID 31 8370 YEAR 1974 BOTDP 00679 AIR TEMP 02.3 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1306
CONSEC 0065 MONTH 04 SHIP EV WET BULB 02.1 00 0 X WIND-SPD 08 TRACE DIR D 5 SQUARE 4
LAT 45 58.0N DAY 29 DATA USE 1 BAROMETR 1024.8 SEA WIND-FOR DURATION 00.3 2 SQUARE 46
LONG 046 24.0W HOUR 20.5 AREA 05 CLOUD T/A CL/TR WEATHER X2 CRIG 011 5550008 1 SQUARE 56

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.62	33.15	26.60	00.000	1449.6							
20.5	OBS	00000	00.62	33.150	26.60		1449.6							
	OBS	00007	00.67	33.270	26.70		1450.1							
	STD	00010	01.17	33.41	26.78	00.014	1452.6							
	OBS	00011	01.48	33.480	26.82		1454.1							
	OBS	00017	02.93	33.620	26.81		1460.7							
	STD	00020	03.02	33.62	26.81	00.026	1461.2							
	OBS	00020	03.04	33.620	26.80		1461.2							
	STD	00030	02.92	33.63	26.82	00.035	1460.9							
	OBS	00032	02.89	33.640	26.83		1460.8							
	STD	00050	02.60	33.72	26.92	00.062	1460.0							
	OBS	00051	02.57	33.730	26.93		1459.9							
	OBS	00059	02.41	33.770	26.98		1459.3							
	OBS	00060	02.15	33.745	26.98		1458.2							
	OBS	00068	00.64	33.630	26.99		1451.4							
	OBS	00070	- 0.38	33.730	27.12		1446.9							
	OBS	00074	- 0.26	33.930	27.28		1447.8							
	STD	00075	00.33	33.97	27.28	00.087	1450.6							
	OBS	00078	02.05	34.105	27.27		1458.5							
	OBS	00085	02.90	34.235	27.31		1462.5							
	OBS	00087	03.46	34.290	27.30		1465.1							
	STD	00100	03.76	34.37	27.33	00.106	1466.6							
	STD	00125	04.20	34.48	27.37	00.125	1469.1							
	OBS	00125	04.21	34.483	27.37		1469.1							
	STD	00150	04.43	34.53	27.39	00.143	1470.5							
	OBS	00150	04.43	34.530	27.39		1470.5							
	OBS	00175	04.56	34.680	27.49		1471.6							
	STD	00200	04.61	34.67	27.48	00.177	1472.3							
	OBS	00201	04.61	34.670	27.48		1472.3							
	OBS	00226	04.59	34.785	27.57		1472.8							
	STD	00250	04.61	34.79	27.58	00.206	1473.3							
	OBS	00253	04.62	34.800	27.58		1473.3							
	OBS	00276	04.68	34.867	27.63		1474.1							
	STD	00300	04.73	34.88	27.63	00.232	1474.7							
	OBS	00300	04.73	34.880	27.63		1474.7							
	STD	00400	04.53	34.88	27.66	00.282	1475.5							
	OBS	00411	04.50	34.880	27.66		1475.6							
	STD	00500	04.22	34.89	27.70	00.329	1475.9							
	OBS	00500	04.22	34.890	27.70		1475.9							
	OBS	00550	04.16	34.890	27.70		1476.5							
	STD	00600	03.99	34.87	27.71	00.375	1476.6							
	OBS	00601	03.99	34.870	27.71		1476.6							
	OBS	00651	03.94	34.870	27.71		1477.2							
	OBS	00677	03.95	34.860	27.70		1477.6							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID 31 8370	YEAR 1974	BOTDP 03193	AIR TEMP 04.6	DIR HGT PER	WIND-DIR 20	INST STD RECORDER	TEN SQ 1306
CONSEC 0066	MONTH 04	SHIP EV	WET BULB 04.1	00 0 X	WIND-SPD 06	TRACE DIR D	5 SQUARE 4
LAT 45 49.0N	DAY 29	DATA USE I	BAROMETR 1025.3	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 44
LONG 045 57.3W	HOUR 23.3	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 556	1 SQUARE 55

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.90	33.76	26.83	00.000	1464.8							
23.3	OBS	00000	03.90	33.760	26.83		1464.8							
	STD	00010	03.89	33.76	26.83	00.012	1464.9							
	OBS	00011	03.88	33.760	26.84		1464.9							
	OBS	00015	03.86	33.750	26.83		1464.8							
	STD	00020	03.83	33.76	26.84	00.024	1464.8							
	OBS	00020	03.82	33.760	26.84		1464.8							
	STD	00030	03.71	33.77	26.86	00.037	1464.5							
	OBS	00030	03.70	33.770	26.86		1464.4							
	STD	00050	03.45	33.83	26.93	00.060	1463.7							
	OBS	00051	03.42	33.830	26.94		1463.7							
	OBS	00064	03.13	33.845	26.97		1462.7							
	STD	00075	03.05	33.94	27.06	00.087	1462.6							
	OBS	00076	03.04	33.955	27.07		1462.6							
	OBS	00089	03.36	34.087	27.15		1464.4							
	OBS	00093	03.67	34.145	27.16		1465.8							
	STD	00100	03.56	34.16	27.18	00.111	1465.5							
	OBS	00100	03.55	34.165	27.19		1465.5							
	STD	00125	04.06	34.32	27.26	00.132	1468.2							
	OBS	00125	04.07	34.325	27.26		1468.3							
	OBS	00131	03.95	34.310	27.26		1467.9							
	OBS	00135	04.18	34.360	27.28		1469.0							
	STD	00150	04.64	34.47	27.32	00.153	1471.3							
	OBS	00152	04.68	34.485	27.32		1471.5							
	OBS	00175	04.65	34.520	27.36		1471.8							
	STD	00200	05.06	34.66	27.42	00.190	1474.1							
	OBS	00201	05.09	34.665	27.42		1474.3							
	OBS	00226	05.38	34.777	27.47		1476.0							
	STD	00250	05.33	34.81	27.51	00.222	1476.2							
	OBS	00251	05.33	34.810	27.51		1476.2							
	OBS	00276	05.27	34.800	27.51		1476.4							
	STD	00300	05.19	34.88	27.58	00.252	1476.6							
	OBS	00300	05.19	34.880	27.58		1476.6							
	OBS	00323	04.99	34.855	27.58		1476.1							
	OBS	00350	05.33	34.970	27.63		1478.1							
	STD	00400	05.13	34.99	27.67	00.304	1478.1							
	OBS	00401	05.13	34.990	27.67		1478.1							
	OBS	00420	05.11	34.990	27.68		1478.4							
	OBS	00458	04.52	34.880	27.66		1476.4							
	STD	00500	04.34	34.89	27.68	00.351	1476.4							
	OBS	00500	04.34	34.890	27.68		1476.4							
	OBS	00550	04.12	34.870	27.69		1476.3							
	STD	00600	04.22	34.87	27.68	00.399	1477.5							
	OBS	00601	04.22	34.870	27.68		1477.5							
	OBS	00652	04.16	34.870	27.69		1478.1							
	STD	00700	04.11	34.87	27.69	00.447	1478.7							
	OBS	00700	04.11	34.870	27.69		1478.7							
	OBS	00750	04.01	34.860	27.70		1479.1							
	STD	00800	04.02	34.87	27.70	00.495	1480.0							
	STD	00900	04.03	34.88	27.71	00.543	1481.7							
	OBS	00978	04.04	34.880	27.71		1483.1							
	STD	01000	04.00	34.88	27.71	00.592	1483.3							
	OBS	01001	04.00	34.880	27.71		1483.3							
	OBS	01024	04.00	34.880	27.71		1483.7							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID 31 8370 YEAR 1974 BOTOP 03563 AIR TEMP 04.1 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1306
CONSEC 0067 MONTH 04 SHIP EV WET BULB 03.9 00 0 X WIND-SPD 05 TRACE DIR D 5 SQUARE 4
LAT 45 39.2N DAY 30 DATA USE 1 BAROMETR 1024.2 SEA WIND-FOR DURATION 00.4 2 SQUARE 44
LONG 045 26.0W HOUR 02.7 AREA 05 CLOUD T/A CL/TR WEATHER X2 GRID 011 557 1 SQUARE 55

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.50	33.83	26.93	00.000	1463.2							
02.7	OBS	00003	03.50	33.830	26.93		1463.2							
	STD	00010	03.50	33.83	26.93	00.011	1463.3							
	OBS	00011	03.52	33.840	26.93		1463.4							
	STD	00020	03.71	33.96	27.01	00.022	1464.6							
	OBS	00020	03.77	33.980	27.02		1464.9							
	STD	00030	04.76	34.32	27.19	00.032	1469.6							
	OBS	00032	05.24	34.395	27.19		1471.7							
	OBS	00034	05.69	34.450	27.18		1473.7							
	OBS	00040	05.72	34.460	27.18		1473.9							
	OBS	00045	04.56	34.280	27.18		1469.0							
	OBS	00049	04.73	34.325	27.19		1469.8							
	STD	00050	04.73	34.32	27.19	00.050	1469.8							
	OBS	00059	04.70	34.300	27.18		1469.8							
	OBS	00060	04.67	34.300	27.18		1469.7							
	OBS	00062	04.75	34.317	27.18		1470.1							
	OBS	00070	04.69	34.305	27.18		1470.0							
	STD	00075	04.03	34.20	27.17	00.073	1467.2							
	OBS	00076	03.89	34.180	27.17		1466.5							
	OBS	00081	03.22	34.115	27.18		1463.7							
	OBS	00083	03.18	34.115	27.18		1463.6							
	OBS	00089	02.63	34.075	27.20		1461.2							
	OBS	00093	03.02	34.180	27.25		1463.1							
	OBS	00097	02.91	34.180	27.26		1462.7							
	STD	00100	02.62	34.18	27.29	00.094	1461.5							
	OBS	00100	02.59	34.186	27.29		1461.4							
	OBS	00104	02.80	34.190	27.28		1462.4							
	OBS	00118	02.50	34.180	27.30		1461.3							
	STD	00125	02.73	34.29	27.37	00.113	1462.5							
	OBS	00125	02.75	34.300	27.37		1462.6							
	OBS	00142	03.69	34.555	27.49		1467.3							
	OBS	00148	04.97	34.725	27.48		1473.0							
	STD	00150	05.05	34.74	27.48	00.130	1473.4							
	OBS	00152	05.17	34.760	27.49		1473.9							
	OBS	00175	05.42	34.810	27.50		1475.4							
	OBS	00196	05.44	34.850	27.53		1475.8							
	OBS	00199	05.04	34.780	27.52		1474.2							
	STD	00200	05.05	34.78	27.52	00.161	1474.2							
	OBS	00201	05.13	34.820	27.54		1474.6							
	OBS	00215	04.49	34.750	27.56		1472.1							
	OBS	00220	03.84	34.670	27.56		1469.4							
	OBS	00226	03.75	34.686	27.58		1469.1							
	STD	00250	03.69	34.66	27.57	00.189	1469.2							
	OBS	00255	03.66	34.660	27.57		1469.2							
	OBS	00270	03.55	34.670	27.59		1469.0							
	OBS	00274	03.63	34.670	27.58		1469.4							
	OBS	00285	04.84	34.860	27.60		1474.9							
	STD	00300	05.13	34.96	27.65	00.215	1476.4							
	OBS	00304	05.19	34.980	27.66		1476.8							
	OBS	00350	05.11	34.990	27.68		1477.2							
	STD	00400	04.93	34.99	27.70	00.263	1477.3							
	OBS	00401	04.92	34.990	27.70		1477.3							
	OBS	00437	04.72	34.960	27.70		1477.0							
	OBS	00445	04.11	34.880	27.70		1474.5							
	OBS	00451	03.90	34.856	27.70		1473.7							
	STD	00500	04.06	34.86	27.69	00.308	1475.2							
	OBS	00550	04.18	34.876	27.69		1476.5							
	STD	00600	04.20	34.87	27.68	00.355	1477.4							
	STD	00700	04.24	34.87	27.68	00.404	1479.2							
	OBS	00706	04.24	34.870	27.68		1479.4							
	OBS	00753	04.01	34.870	27.70		1479.2							
	STD	00800	03.85	34.85	27.70	00.452	1479.3							
	OBS	00803	03.84	34.850	27.71		1479.3							
	OBS	00843	04.08	34.875	27.70		1481.0							
	OBS	00850	04.04	34.870	27.70		1480.9							
	STD	00900	04.07	34.89	27.71	00.500	1481.9							
	OBS	00908	04.07	34.890	27.71		1482.0							
	OBS	00953	04.02	34.875	27.71		1482.6							
	STD	01000	03.93	34.87	27.71	00.548	1483.0							
	OBS	01001	03.93	34.870	27.71		1483.0							
	OBS	01022	03.96	34.870	27.71		1483.4							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID 31 8370	YEAR 1974	BOTDP 04204	AIR TEMP 04.9	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1306
CONSEC 0068	MONTH 04	SHIP EV	WET BULB 03.8	00 0 X	WIND-SPD 08	TRACE DIR D	5 SQUARE 3
LAT 45 31.0N	DAY 30	DATA USE 1	BAROMETR 1022.8	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 44
LONG 044 54.3W	HOUR 05.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 558	1 SQUARE 54

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.09	33.50	26.60	00.000	1465.2							
05.8	OBS	00003	04.09	33.497	26.60		1465.3							
	STD	00010	04.09	33.61	26.69	00.014	1465.5							
	OBS	00013	04.10	33.640	26.72		1465.7							
	STD	00020	04.14	33.65	26.72	00.027	1465.9							
	OBS	00022	04.15	33.650	26.72		1466.0							
	OBS	00024	04.09	33.630	26.71		1465.8							
	OBS	00026	04.49	33.760	26.77		1467.7							
	STD	00030	04.60	33.76	26.76	00.041	1468.2							
	OBS	00030	04.61	33.760	26.76		1468.2							
	STD	00050	04.28	33.83	26.85	00.066	1467.3							
	OBS	00051	04.25	33.840	26.86		1467.2							
	OBS	00057	04.11	33.827	26.86		1466.7							
	OBS	00059	04.20	33.840	26.87		1467.1							
	OBS	00062	04.20	33.833	26.86		1467.2							
	OBS	00064	04.09	33.830	26.87		1466.7							
	OBS	00066	03.85	33.800	26.87		1465.7							
	OBS	00072	03.91	33.840	26.90		1466.1							
	STD	00075	04.22	33.90	26.91	00.095	1467.6							
	OBS	00079	04.48	33.965	26.93		1468.8							
	OBS	00087	04.06	33.960	26.98		1467.1							
	OBS	00089	04.07	34.017	27.02		1467.3							
	STD	00100	04.92	34.17	27.05	00.123	1471.2							
	OBS	00100	04.98	34.187	27.06		1471.5							
	STD	00125	05.83	34.47	27.17	00.147	1475.7							
	OBS	00125	05.84	34.470	27.18		1475.8							
	STD	00150	05.83	34.51	27.21	0C.170	1476.2							
	OBS	00150	05.83	34.510	27.21		1476.2							
	OBS	00175	05.63	34.525	27.25		1475.8							
	OBS	00194	05.64	34.535	27.25		1476.2							
	STD	00200	05.35	34.52	27.28	00.213	1475.1							
	OBS	00201	05.27	34.520	27.28		1474.8							
	OBS	00215	04.84	34.530	27.34		1473.3							
	OBS	00220	04.93	34.520	27.32		1473.7							
	OBS	00226	04.83	34.526	27.34		1473.4							
	STD	00250	04.73	34.63	27.43	00.251	1473.5							
	OBS	00253	04.72	34.640	27.44		1473.5							
	OBS	00277	05.03	34.673	27.43		1475.3							
	OBS	00281	04.41	34.593	27.44		1472.7							
	OBS	00287	04.59	34.650	27.47		1473.6							
	OBS	00293	04.27	34.655	27.51		1472.3							
	STD	00300	05.01	34.80	27.54	00.282	1475.7							
	OBS	00300	05.06	34.810	27.54		1476.0							
	OBS	00310	05.01	34.797	27.53		1475.9							
	OBS	00316	04.04	34.660	27.53		1471.8							
	OBS	00319	04.16	34.665	27.52		1472.3							
	OBS	00323	03.97	34.660	27.54		1471.6							
	OBS	00329	04.00	34.680	27.55		1471.8							
	OBS	00333	04.52	34.800	27.59		1474.2							
	OBS	00335	04.56	34.805	27.59		1474.5							
	OBS	00342	03.96	34.730	27.60		1472.0							
	OBS	00344	04.40	34.790	27.60		1473.9							
	OBS	00350	04.68	34.827	27.60		1475.2							
	OBS	00354	04.77	34.870	27.62		1475.7							
	OBS	00369	03.18	34.645	27.61		1469.0							
	OBS	00382	03.18	34.657	27.62		1469.2							
	OBS	00388	02.84	34.640	27.63		1467.8							
	STD	00400	03.06	34.66	27.63	00.337	1469.0							
	OBS	00401	03.08	34.660	27.63		1469.1							
	OBS	00453	03.16	34.680	27.64		1470.3							
	OBS	00454	03.20	34.675	27.63		1470.5							
	OBS	00468	03.72	34.797	27.68		1473.1							
	OBS	00470	03.75	34.800	27.67		1473.3							
	STD	00500	04.35	34.86	27.66	00.387	1476.4							
	OBS	00500	04.36	34.860	27.66		1476.4							
	OBS	00550	04.29	34.860	27.67		1477.0							
	STD	00600	04.18	34.88	27.69	00.435	1477.4							
	OBS	00622	04.16	34.890	27.70		1477.7							
	OBS	00651	04.15	34.870	27.69		1478.1							
	STD	00700	04.12	34.89	27.71	00.482	1478.8							
	OBS	00706	04.11	34.890	27.71		1478.8							
	OBS	00750	04.02	34.880	27.71		1479.2							
	STD	00800	03.93	34.86	27.70	00.529	1479.6							
	OBS	00801	03.93	34.860	27.70		1479.6							
	OBS	00809	04.04	34.880	27.71		1480.2							
	OBS	00852	03.85	34.897	27.74		1480.2							
	STD	00900	03.79	34.88	27.73	00.576	1480.7							
	OBS	00900	03.79	34.877	27.73		1480.7							
	OBS	00949	03.75	34.877	27.74		1481.4							
	OBS	00999	03.70	34.877	27.74		1482.0							
	STD	01000	03.70	34.88	27.74	00.621	1482.0							
	OBS	01029	03.72	34.877	27.74		1482.6							

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REFID	31 8370	YEAR	1974	BOTDP	04425	AIR TEMP	10.8	DIR HGT PER	WIND-DIR	23	INST STD RECORDER		TEN SQ 1306
CONSEC	0069	MONTH	04	SHIP	EV	WET BULB	09.1	35 2 3	WIND-SPD	18	TRACE DIR	D	5 SQUARE 3
LAT	45 28.5N	DAY	30	DATA USE	I	BAROMETR	1002.0	SEA	WIND-FOR		DURATION	00.4	2 SQUARE 44
LONG	044 41.5W	HOUR	08.3	AREA	05	CLOUD T/A		CL/TR	WEATHER	X2	ORIG 011 559		1 SQUARE 54

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	13.29	35.55	26.78	00.000	1502.5							
08.3	OBS	00001	13.29	35.550	26.78		1502.6							
	STD	00010	13.32	35.55	26.77	00.013	1502.8							
	OBS	00011	13.33	35.560	26.78		1502.9							
	STD	00020	13.42	35.66	26.84	00.025	1503.4							
	OBS	00020	13.44	35.670	26.84		1503.5							
	STD	00030	13.76	35.78	26.86	00.038	1504.9							
	OBS	00030	13.78	35.790	26.86		1504.9							
	OBS	00034	13.48	35.700	26.85		1503.9							
	OBS	00036	13.44	35.700	26.86		1503.8							
	OBS	00041	13.88	35.850	26.89		1505.5							
	STD	00050	13.92	35.85	26.88	00.062	1505.8							
	OBS	00051	13.92	35.850	26.88		1505.8							
	STD	00075	13.91	35.90	26.92	00.091	1506.2							
	OBS	00076	13.91	35.900	26.92		1506.2							
	STD	00100	13.87	35.90	26.93	00.120	1506.5							
	OBS	00100	13.87	35.900	26.93		1506.5							
	STD	00125	13.69	35.83	26.91	00.150	1506.3							
	OBS	00125	13.69	35.830	26.91		1506.3							
	STD	00150	13.55	35.83	26.94	00.179	1506.2							
	OBS	00150	13.55	35.830	26.94		1506.2							
	OBS	00178	13.30	35.820	26.98		1505.8							
	OBS	00190	13.19	35.800	26.95		1505.6							
	STD	00200	12.54	35.64	27.00	00.236	1503.4							
	OBS	00205	12.22	35.570	27.01		1502.3							
	OBS	00222	11.50	35.450	27.05		1500.0							
	OBS	00230	11.85	35.540	27.06		1501.4							
	OBS	00241	11.81	35.560	27.08		1501.5							
	OBS	00247	11.54	35.490	27.08		1500.6							
	STD	00250	11.53	35.49	27.08	00.291	1500.5							
	OBS	00251	11.51	35.490	27.08		1500.5							
	OBS	00264	10.95	35.340	27.07		1498.6							
	OBS	00276	10.40	35.215	27.07		1496.6							
	STD	00300	10.23	35.32	27.18	00.341	1496.6							
	OBS	00300	10.23	35.325	27.18		1496.6							
	OBS	00314	10.20	35.310	27.18		1496.7							
	OBS	00325	09.77	35.210	27.17		1495.2							
	OBS	00327	09.72	35.210	27.18		1495.0							
	OBS	00340	08.73	35.010	27.19		1491.3							
	OBS	00344	08.59	34.990	27.20		1490.8							
	OBS	00348	08.68	35.020	27.20		1491.2							
	OBS	00356	09.14	35.150	27.23		1493.3							
	STD	00400	08.41	35.13	27.33	00.431	1491.2							
	OBS	00401	08.37	35.120	27.33		1491.1							
	OBS	00403	08.32	35.110	27.33		1490.9							
	OBS	00426	07.91	35.010	27.32		1489.6							
	OBS	00451	07.37	34.990	27.38		1487.9							
	OBS	00487	06.91	34.935	27.40		1486.6							
	STD	00500	06.54	34.97	27.48	00.507	1485.4							
	OBS	00500	06.53	34.970	27.48		1485.4							
	OBS	00550	06.39	35.010	27.53		1485.7							
	STD	00600	06.01	35.00	27.57	00.572	1485.0							
	OBS	00605	05.97	35.003	27.58		1484.9							
	OBS	00651	05.58	35.000	27.63		1484.1							
	STD	00700	05.27	34.99	27.66	00.629	1483.7							
	OBS	00700	05.27	34.990	27.66		1483.7							
	OBS	00750	05.01	35.005	27.70		1483.4							
	STD	00800	04.93	35.01	27.71	00.680	1484.0							
	OBS	00801	04.93	35.010	27.71		1484.0							
	OBS	00850	04.81	35.010	27.73		1484.3							
	STD	00900	04.65	35.00	27.74	00.728	1484.5							
	OBS	00900	04.65	35.000	27.74		1484.5							
	OBS	00951	04.47	34.970	27.73		1484.5							
	STD	01000	04.45	34.99	27.75	00.774	1485.3							
	OBS	01001	04.45	34.990	27.75		1485.3							
	OBS	01020	04.35	34.973	27.75		1485.2							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID 31 8370	YEAR 1974	BOTDP 03891	AIR TEMP 06.0	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CONSEC 0070	MONTH 04	SHIP EV	WET BULB 05.8	23 1 3	WIND-SPD 15	TRACE DIR D	5 SQUARE 3
LAT 45 54.6N	DAY 30	DATA USE 1	BAROMETR 1017.8	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 44
LONG 044 42.0W	HOUR 11.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 560	1 SQUARE 54

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.20	33.73	26.88	00.000	1461.8							
11.5	OBS	00003	03.20	33.735	26.88		1461.8							
	OBS	00005	03.19	33.730	26.88		1461.8							
	STD	00010	03.27	33.75	26.89	00.012	1462.2							
	OBS	00011	03.29	33.760	26.89		1462.4							
	OBS	00015	04.04	33.930	26.95		1465.8							
	STD	00020	04.12	33.94	26.96	00.023	1466.3							
	OBS	00020	04.13	33.947	26.96		1466.3							
	STD	00030	04.14	33.96	26.97	00.034	1466.6							
	OBS	00030	04.15	33.965	26.97		1466.6							
	OBS	00038	04.32	34.007	26.99		1467.5							
	OBS	00045	03.99	34.130	27.12		1466.4							
	OBS	00049	04.08	34.183	27.15		1466.9							
	STD	00050	04.12	34.19	27.15	00.055	1467.1							
	OBS	00062	04.96	34.310	27.15		1471.0							
	STD	00075	05.15	34.33	27.15	00.078	1472.0							
	OBS	00078	05.20	34.330	27.14		1472.2							
	OBS	00081	04.99	34.310	27.15		1471.4							
	OBS	00085	04.40	34.220	27.15		1468.9							
	OBS	00091	04.76	34.330	27.19		1470.6							
	OBS	00097	04.63	34.310	27.19		1470.2							
	STD	00100	03.99	34.23	27.20	00.101	1467.4							
	OBS	00100	03.81	34.210	27.20		1466.7							
	STD	00125	03.10	34.38	27.41	00.120	1464.2							
	OBS	00125	03.08	34.387	27.41		1464.2							
	OBS	00131	02.90	34.375	27.42		1463.5							
	OBS	00135	02.04	34.310	27.44		1459.7							
	STD	00150	01.89	34.42	27.54	00.136	1459.5							
	OBS	00150	01.89	34.420	27.54		1459.5							
	OBS	00173	02.34	34.465	27.54		1461.5							
	OBS	00175	02.30	34.450	27.53		1461.7							
	STD	00200	02.31	34.53	27.59	00.163	1462.3							
	OBS	00201	02.31	34.530	27.59		1462.3							
	OBS	00217	02.51	34.540	27.58		1463.4							
	OBS	00224	03.39	34.660	27.60		1467.5							
	OBS	00228	03.49	34.673	27.60		1468.0							
	STD	00250	03.17	34.66	27.62	00.189	1467.0							
	OBS	00251	03.16	34.660	27.62		1467.0							
	OBS	00270	03.16	34.715	27.66		1467.4							
	OBS	00297	04.99	35.000	27.70		1475.9							
	STD	00300	05.03	35.00	27.69	00.212	1476.1							
	OBS	00300	05.04	35.000	27.69		1476.1							
	OBS	00331	05.07	34.995	27.68		1476.7							
	STD	00400	04.51	34.90	27.68	00.258	1475.4							
	OBS	00493	04.40	34.880	27.67		1476.5							
	STD	00500	04.44	34.89	27.67	00.306	1476.8							
	OBS	00512	04.47	34.890	27.67		1477.1							
	OBS	00552	04.23	34.870	27.68		1476.8							
	STD	00600	04.24	34.88	27.69	00.354	1477.6							
	OBS	00611	04.24	34.880	27.69		1477.8							
	STD	00700	04.17	34.87	27.69	00.402	1478.9							
	OBS	00715	04.15	34.870	27.69		1479.1							
	OBS	00750	04.11	34.880	27.70		1479.5							
	STD	00800	03.91	34.86	27.70	00.451	1479.5							
	OBS	00801	03.91	34.855	27.70		1479.5							
	OBS	00850	03.95	34.870	27.71		1480.5							
	STD	00900	03.86	34.86	27.71	00.498	1481.0							
	OBS	00900	03.86	34.855	27.71		1481.0							
	OBS	00951	03.81	34.860	27.72		1481.6							
	STD	01000	03.76	34.88	27.74	00.545	1482.3							
	OBS	01001	03.76	34.880	27.74		1482.3							
	OBS	01022	03.72	34.890	27.75		1482.5							

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REFID 31 8370	YEAR 1974	BOTDP 02431	AIR TEMP 06.4	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1306
CONSEC 0071	MONTH 04	SHIP EV	WET BULB 05.5	22 1 2	WIND-SPD 07	TRACE DIR D	5 SQUARE 3
LAT 46 19.0N	DAY 30	DATA USE 1	BARCMETR 1013.9	SEA	WIND-FOR	DURATION 00.8	2 SQUARE 64
LONG 044 44.6W	HOUR 14.4	AREA 05	CLCUD T/A	CL/TR	WEATHER X2	ORIG 011 5610009	1 SQUARE 64

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.01	33.29	26.69	00.000	1451.5							
14.4	OBS	00001	01.01	33.290	26.69		1451.5							
	STD	00010	01.00	33.30	26.70	00.014	1451.6							
	OBS	00011	00.99	33.300	26.70		1451.6							
	OBS	00013	00.97	33.283	26.69		1451.5							
	OBS	00017	00.83	33.340	26.74		1451.0							
	STD	00020	0C.92	33.66	27.00	00.026	1451.9							
	OBS	00020	01.C1	33.735	27.05		1452.5							
	OBS	00024	01.72	33.920	27.15		1456.0							
	STD	00030	01.77	33.97	27.19	00.035	1456.3							
	OBS	00030	01.77	33.975	27.19		1456.3							
	OBS	00041	01.64	34.150	27.34		1456.2							
	STD	00050	01.83	34.19	27.36	00.052	1457.2							
	OBS	00051	01.85	34.195	27.36		1457.3							
	STD	00075	01.87	34.28	27.43	00.069	1457.9							
	OBS	00076	01.87	34.285	27.43		1458.0							
	OBS	00079	02.02	34.300	27.43		1458.7							
	STD	00100	02.C4	34.46	27.55	00.084	1459.3							
	OBS	00100	02.C5	34.460	27.56		1459.4							
	STD	00125	02.55	34.52	27.56	00.098	1462.1							
	OBS	00125	02.56	34.520	27.56		1462.1							
	STD	00150	02.94	34.65	27.63	00.111	1464.3							
	OBS	00159	03.03	34.665	27.64		1464.9							
	OBS	00175	03.09	34.660	27.63		1465.4							
	OBS	00188	03.38	34.760	27.68		1467.0							
	OBS	00190	03.38	34.760	27.68		1467.0							
	STD	00200	03.49	34.77	27.68	00.134	1467.7							
	OBS	00215	03.65	34.790	27.68		1468.6							
	OBS	00226	03.75	34.800	27.67		1469.3							
	STD	00250	03.82	34.81	27.67	00.156	1469.9							
	OBS	00251	03.82	34.810	27.68		1470.0							
	OBS	00277	03.93	34.870	27.71		1471.0							
	STD	00300	03.95	34.89	27.72	00.178	1471.4							
	OBS	00302	03.95	34.890	27.73		1471.5							
	STD	00400	03.90	34.88	27.72	00.219	1472.9							
	OBS	00401	03.90	34.880	27.72		1472.9							
	OBS	00453	03.86	34.890	27.73		1473.6							
	STD	00500	03.82	34.88	27.73	00.261	1474.2							
	OBS	00500	03.82	34.880	27.73		1474.2							
	OBS	00550	03.81	34.880	27.73		1475.0							
	STD	00600	03.73	34.87	27.73	00.304	1475.5							
	OBS	00601	03.73	34.870	27.73		1475.5							
	OBS	00652	03.70	34.880	27.74		1476.2							
	STD	00700	03.70	34.88	27.74	00.346	1477.0							
	OBS	00700	03.70	34.880	27.74		1477.0							
	OBS	00751	03.63	34.870	27.74		1477.5							
	STD	00800	03.56	34.87	27.75	00.389	1478.1							
	OBS	00801	03.56	34.870	27.75		1478.1							
	OBS	00852	03.54	34.870	27.75		1478.8							
	STD	00900	03.54	34.87	27.75	00.432	1479.6							
	OBS	00900	03.54	34.870	27.75		1479.6							
	OBS	00951	03.54	34.870	27.75		1480.5							
	STD	01000	03.54	34.87	27.75	00.475	1481.3							
	OBS	01001	03.54	34.870	27.75		1481.3							
	OBS	01024	03.54	34.870	27.75		1481.7							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID 31 8370 YEAR 1974 BOTDP 00785 AIR TEMP 06.1 DIR HGT PER WIND-DIR 16 INST STD RECORDER TEN SQ 1306
CONSEC 0072 MONTH 04 SHIP EV WET BULB 06.1 18 2 3 WIND-SPD 20 TRACE DIR D 5 SQUARE 3
LAT 46 26.8N DAY 30 DATA USE 1 BAROMETR 1017.3 SEA WIND-FOR DURATION 00.3 2 SQUARE 64
LONG 044 42.8W HOUR 18.3 AREA 05 CLOUD T/A CL/TR WEATHER X6 CRIG 011 5620008 1 SQUARE 64

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.71	33.27	26.70	00.000	1450.1							
18.3	OBS	00001	00.71	33.270	26.70		1450.2							
	OBS	00009	00.69	33.280	26.70		1450.2							
	STD	00010	00.70	33.27	26.70	00.014	1450.2							
	OBS	00011	00.71	33.270	26.70		1450.3							
	OBS	00015	00.74	33.435	26.83		1450.7							
	OBS	00017	01.08	33.750	27.06		1452.7							
	STD	00020	01.28	33.77	27.06	00.025	1453.7							
	OBS	00020	01.32	33.770	27.06		1453.9							
	STD	00030	01.33	33.76	27.05	00.036	1454.1							
	OBS	00030	01.33	33.760	27.05		1454.1							
	STD	00050	01.54	34.07	27.29	00.054	1455.8							
	OBS	00051	01.55	34.090	27.30		1455.9							
	STD	00075	01.58	34.26	27.44	00.072	1456.7							
	OBS	00076	01.59	34.270	27.44		1456.7							
	STD	00100	01.81	34.31	27.45	00.088	1458.1							
	OBS	00100	01.82	34.310	27.45		1458.2							
	STD	00125	01.89	34.46	27.57	00.103	1459.1							
	OBS	00125	01.89	34.460	27.57		1459.1							
	STD	00150	02.03	34.53	27.61	00.116	1460.2							
	OBS	00150	02.04	34.530	27.61		1460.3							
	OBS	00175	02.57	34.610	27.63		1463.1							
	STD	00200	03.04	34.68	27.64	00.140	1465.6							
	OBS	00201	03.04	34.680	27.65		1465.7							
	OBS	00207	03.02	34.670	27.64		1465.7							
	OBS	00234	03.32	34.750	27.68		1467.5							
	STD	00250	03.74	34.79	27.66	00.163	1469.6							
	OBS	00251	03.77	34.790	27.66		1469.7							
	OBS	00276	03.98	34.880	27.71		1471.2							
	STD	00300	04.04	34.87	27.70	00.185	1471.8							
	OBS	00300	04.04	34.870	27.70		1471.8							
	OBS	00350	03.91	34.870	27.71		1472.1							
	STD	00400	03.84	34.88	27.73	00.228	1472.6							
	OBS	00401	03.84	34.880	27.73		1472.6							
	OBS	00451	03.79	34.890	27.74		1473.3							
	STD	00500	03.75	34.88	27.74	00.269	1473.9							
	OBS	00502	03.75	34.880	27.74		1473.9							
	OBS	00550	03.72	34.880	27.74		1474.6							
	STD	00600	03.72	34.88	27.74	00.311	1475.4							
	OBS	00601	03.72	34.880	27.74		1475.4							
	OBS	00651	03.66	34.870	27.74		1476.0							
	STD	00700	03.63	34.87	27.74	00.353	1476.7							
	OBS	00700	03.63	34.870	27.74		1476.7							
	OBS	00750	03.61	34.870	27.74		1477.4							
	OBS	00791	03.59	34.870	27.75		1478.0							

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REFID 31 8370 YEAR 1974 BOTDP 00320 AIR TEMP 06.0 DIR HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1306
CONSEC 0073 MONTH 04 SHIP EV WET BULB 05.7 20 2 3 WIND-SPD 15 TRACE DIR D 5 SQUARE 3
LAT 46 31.8N DAY 30 DATA USE 1 BAROMETR 1006.1 SEA WIND-FOR DURATION 00.2 2 SQUARE 64
LONG 044 43.0W HOUR 19.2 AREA 05 CLOUD T/A CL/TR WEATHER X4 CRIG 011 563 1 SQUARE 64

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.68	33.27	26.70	00.000	1450.0							
19.2	OBS	00000	00.68	33.270	26.70		1450.0							
	STD	00010	00.68	33.28	26.71	00.014	1450.2							
	OBS	00015	00.68	33.280	26.71		1450.3							
	STD	00020	00.49	33.27	26.71	00.027	1449.5							
	OBS	00025	00.34	33.270	26.72		1448.9							
	STD	00030	00.25	33.47	26.88	00.040	1448.8							
	OBS	00033	00.20	33.570	26.96		1448.8							
	OBS	00043	00.69	33.800	27.12		1451.5							
	STD	00050	00.89	33.85	27.15	00.061	1452.6							
	OBS	00050	00.89	33.850	27.15		1452.6							
	OBS	00052	00.89	34.061	27.32		1452.5							
	OBS	00063	01.94	34.191	27.35		1457.9							
	STD	00075	01.99	34.19	27.35	00.081	1458.3							
	OBS	00075	01.99	34.191	27.35		1458.3							
	OBS	00087	02.05	34.291	27.42		1458.9							
	STD	00100	01.86	34.35	27.48	00.098	1458.4							
	OBS	00100	01.86	34.351	27.48		1458.4							
	OBS	00103	02.15	34.421	27.52		1459.8							
	STD	00125	01.89	34.45	27.56	00.113	1459.1							
	OBS	00125	01.89	34.451	27.56		1459.1							
	OBS	00128	02.02	34.451	27.55		1459.7							
	STD	00150	01.96	34.47	27.57	00.126	1459.8							
	OBS	00150	01.96	34.471	27.57		1459.8							
	OBS	00175	02.22	34.552	27.62		1461.5							
	OBS	00194	03.58	34.752	27.65		1467.9							
	STD	00200	03.73	34.82	27.69	00.150	1468.8							
	OBS	00200	03.73	34.822	27.69		1468.8							
	OBS	00225	03.89	34.842	27.69		1469.9							
	STD	00250	03.91	34.84	27.69	00.172	1470.4							
	OBS	00250	03.91	34.842	27.69		1470.4							
	STD	00300	03.96	34.85	27.70	00.193	1471.4							
	OBS	00300	03.96	34.853	27.70		1471.4							

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REFID 31 8370	YEAR 1974	BOTDP 00146	AIR TEMP 06.0	DIR HGT PER	WIND-DIR 19	INST STD RECORDER	TEN SQ 1306
CONSEC 0074	MONTH 04	SHIP EV	WET BULB 05.7	20 2 3	WIND-SPD 15	TRACE DIR D	5 SQUARE 3
LAT 46 45.0N	DAY 30	DATA USE 1	BAROMETR 1001.9	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 64
LONG 044 43.0W	HOUR 20.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 564	1 SQUARE 64

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.27	33.43	26.79	00.000	1452.9							
20.2	OBS	00001	01.27	33.430	26.79		1452.9							
	STD	00010	01.27	33.43	26.79	00.013	1453.1							
	OBS	00011	01.28	33.435	26.79		1453.1							
	OBS	00015	01.30	33.420	26.78		1453.2							
	STD	00020	01.55	33.60	26.91	00.025	1454.7							
	OBS	00020	01.58	33.630	26.93		1454.9							
	STD	00030	01.61	33.69	26.98	00.036	1455.2							
	OBS	00034	01.62	33.727	27.00		1455.4							
	OBS	00045	01.08	33.845	27.13		1453.3							
	STD	00050	01.11	33.85	27.13	00.056	1453.6							
	OBS	00051	01.12	33.850	27.14		1453.6							
	STD	00075	01.21	33.98	27.23	00.079	1454.6							
	OBS	00076	01.21	33.980	27.23		1454.6							
	OBS	00087	01.25	33.990	27.24		1455.0							
	OBS	00089	01.33	34.070	27.30		1455.5							
	OBS	00091	01.62	34.080	27.29		1456.8							
	STD	00100	01.70	34.09	27.29	00.099	1457.3							
	OBS	00100	01.71	34.090	27.29		1457.4							

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REFID 31 8370	YEAR 1974	BOTDP 00145	AIR TEMP 05.3	DIR HGT PER	WIND-DIR 26	INST STD RECORDER	TEN SQ 1306
CONSEC 0075	MONTH 04	SHIP EV	WET BULB 04.5	27 3 3	WIND-SPD 30	TRACE DIR D	5 SQUARE 3
LAT 47 01.0N	DAY 30	DATA USE 1	BAROMETR 1001.9	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 64
LONG 044 44.0W	HOUR 22.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 565	1 SQUARE 74

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.03	33.74	26.98	00.000	1456.7							
22.5	OBS	00001	02.03	33.739	26.98		1456.7							
	OBS	00003	02.03	33.730	26.98		1456.7							
	STD	00010	02.03	33.74	26.98	00.011	1456.8							
	OBS	00011	02.02	33.740	26.98		1456.8							
	STD	00020	01.94	33.77	27.02	00.022	1456.6							
	OBS	00020	01.93	33.780	27.02		1456.6							
	STD	00030	01.88	33.85	27.08	00.032	1456.7							
	OBS	00030	01.88	33.850	27.08		1456.7							
	STD	00050	01.76	33.85	27.09	00.051	1456.4							
	OBS	00051	01.75	33.854	27.09		1456.4							
	OBS	00059	01.98	33.840	27.07		1457.6							
	OBS	00060	01.75	33.940	27.16		1456.7							
	STD	00075	01.78	33.97	27.19	00.075	1457.1							
	OBS	00078	01.79	33.976	27.19		1457.2							
	OBS	00097	01.58	34.037	27.25		1456.7							
	STD	00100	01.59	34.07	27.28	00.096	1456.8							
	OBS	00100	01.60	34.080	27.29		1456.9							
	STD	00125	01.92	34.18	27.34	00.116	1458.8							
	OBS	00125	01.92	34.180	27.34		1458.9							
	OBS	00140	01.92	34.180	27.34		1459.1							

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REFID 31 8370	YEAR 1974	BOTDP 00182	AIR TEMP 02.5	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1306
CONSEC 0076	MONTH 05	SHIP EV	WET BULB 02.5	22 3 3	WIND-SPD 32	TRACE DIR D	5 SQUARE 4
LAT 46 58.2N	DAY 01	DATA USE 1	BAROMETR 1005.8	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 64
LONG 045 15.0W	HOUR 02.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG 011 566	1 SQUARE 65

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.30	33.77	26.99	00.000	1457.9							
02.5	OBS	00003	02.30	33.770	26.99		1458.0							
	STD	00010	02.29	33.77	26.98	00.011	1458.0							
	OBS	00011	02.29	33.767	26.98		1458.0							
	OBS	00015	02.29	33.765	26.98		1458.1							
	STD	00020	02.30	33.77	26.98	00.022	1458.2							
	OBS	00020	02.30	33.770	26.99		1458.2							
	STD	00030	02.24	33.84	27.04	00.032	1458.2							
	OBS	00030	02.24	33.840	27.05		1458.2							
	STD	00050	02.14	33.96	27.15	00.052	1458.3							
	OBS	00051	02.14	33.970	27.16		1458.3							
	STD	00075	02.12	33.98	27.17	00.075	1458.6							
	OBS	00076	02.12	33.980	27.17		1458.6							
	OBS	00081	02.11	33.975	27.16		1458.7							
	STD	00100	02.26	34.09	27.24	00.097	1459.8							
	OBS	00100	02.27	34.090	27.24		1459.9							
	STD	00125	02.35	34.10	27.24	00.118	1460.6							
	OBS	00125	02.36	34.100	27.24		1460.7							
	OBS	00137	02.66	34.200	27.30		1462.3							
	STD	00150	02.46	34.18	27.30	00.138	1461.6							
	OBS	00150	02.46	34.177	27.30		1461.6							
	OBS	00173	02.61	34.305	27.39		1462.8							

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REFID 31 8370	YEAR 1974	BOTDP 00290	AIR TEMP 01.4	DIR HGT PER	WIND-DIR 29	INST STD RECORDER	TEN SQ 1306
CONSEC 0077	MONTH 05	SHIP EV	WET BULB 00.9	28 4 2	WIND-SPD 22	TRACE DIR D	5 SQUARE 4
LAT 47 01.0N	DAY 01	DATA USE 1	BAROMETR 1009.4	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 64
LONG 045 50.0W	HOUR 06.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 567	1 SQUARE 75

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.23	32.84	26.38	00.000	1447.3							
06.1	OBS	00003	00.23	32.840	26.38		1447.4							
	STD	00010	00.28	32.91	26.43	00.016	1447.8							
	OBS	00011	00.29	32.915	26.43		1447.9							
	STD	00020	00.38	32.92	26.43	00.032	1448.5							
	OBS	00020	00.41	32.935	26.44		1448.6							
	STD	00030	00.89	33.11	26.56	00.048	1451.2							
	OBS	00032	01.05	33.275	26.68		1452.2							
	OBS	00034	01.19	33.446	26.80		1453.1							
	OBS	00036	01.55	33.505	26.83		1454.8							
	OBS	00041	01.62	33.510	26.83		1455.2							
	OBS	00045	02.23	33.970	27.15		1458.6							
	STD	00050	02.82	34.04	27.16	00.072	1461.4							
	OBS	00051	02.88	34.060	27.17		1461.7							
	OBS	00057	02.45	34.090	27.23		1459.9							
	OBS	00060	02.62	34.107	27.23		1460.8							
	OBS	00066	03.09	34.170	27.24		1463.0							
	OBS	00070	03.15	34.180	27.24		1463.3							
	STD	00075	02.97	34.17	27.25	00.094	1462.6							
	OBS	00076	02.95	34.170	27.25		1462.5							
	OBS	00079	02.96	34.175	27.25		1462.6							
	OBS	00083	02.87	34.180	27.26		1462.3							
	OBS	00091	02.91	34.206	27.28		1462.6							
	OBS	00097	02.73	34.200	27.29		1462.0							
	STD	00100	02.85	34.21	27.29	00.114	1462.5							
	OBS	00102	02.95	34.225	27.29		1463.0							
	STD	00125	03.09	34.32	27.35	00.134	1464.1							
	OBS	00125	03.10	34.320	27.36		1464.2							
	OBS	00142	03.39	34.420	27.41		1465.8							
	OBS	00146	03.63	34.447	27.41		1467.0							
	STD	00150	03.68	34.46	27.41	00.151	1467.2							
	OBS	00152	03.70	34.470	27.42		1467.4							
	OBS	00163	03.65	34.470	27.42		1467.4							
	OBS	00167	03.38	34.450	27.43		1466.2							
	OBS	00173	03.59	34.530	27.48		1467.3							
	OBS	00175	03.60	34.520	27.47		1467.4							
	STD	00200	04.39	34.73	27.55	00.183	1471.4							
	OBS	00205	04.50	34.760	27.56		1472.0							
	OBS	00226	04.72	34.800	27.57		1473.3							
	STD	00250	04.54	34.80	27.59	00.210	1473.0							
	OBS	00251	04.53	34.795	27.59		1472.9							
	OBS	00277	04.29	34.800	27.62		1472.4							
	OBS	00287	04.24	34.810	27.63		1472.3							

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REFID 31 8370	YEAR 1974	BOTDP 00327	AIR TEMP 01.8	DIR HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1306
CONSEC 0078	MONTH 05	SHIP EV	WET BULB 01.2	28 3 2	WIND-SPD 15	TRACE DIR D	5 SQUARE 4
LAT 47 00.8N	DAY 01	DATA USE 1	BAROMETR 1013.5	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 66
LONG 046 09.8W	HOUR 07.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 568	1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.62	33.38	26.73	00.000	1454.4							
07.8	OBS	00001	01.62	33.380	26.73		1454.4							
	STD	00010	01.62	33.38	26.73	00.013	1454.5							
	OBS	00011	01.62	33.380	26.73		1454.6							
	STD	00020	01.62	33.38	26.73	00.027	1454.7							
	OBS	00022	01.62	33.380	26.73		1454.7							
	STD	00030	01.62	33.38	26.73	00.040	1454.9							
	OBS	00030	01.62	33.385	26.73		1454.9							
	OBS	00041	01.53	33.400	26.75		1454.7							
	OBS	00045	01.60	33.630	26.93		1455.4							
	OBS	00047	01.99	33.890	27.11		1457.5							
	STD	00050	02.38	33.96	27.13	00.063	1459.3							
	OBS	00057	03.22	34.105	27.17		1463.3							
	STD	00075	03.23	34.17	27.22	00.085	1463.7							
	OBS	00076	03.23	34.170	27.22		1463.7							
	OBS	00085	03.20	34.176	27.23		1463.7							
	OBS	00091	02.74	34.105	27.22		1461.8							
	STD	00100	02.88	34.18	27.27	00.106	1462.6							
	OBS	00100	02.89	34.190	27.27		1462.7							
	STD	00125	02.79	34.17	27.27	00.127	1462.6							
	OBS	00127	02.79	34.170	27.26		1462.7							
	STD	00150	02.84	34.29	27.35	00.146	1463.4							
	OBS	00150	02.84	34.290	27.36		1463.4							
	OBS	00177	03.36	34.430	27.42		1466.3							
	OBS	00180	03.43	34.450	27.43		1466.7							
	OBS	00184	03.65	34.460	27.41		1467.7							
	STD	00200	04.04	34.59	27.48	00.181	1469.8							
	OBS	00203	04.10	34.615	27.49		1470.1							
	OBS	00226	04.25	34.676	27.52		1471.2							
	STD	00250	04.36	34.67	27.51	00.212	1472.0							
	OBS	00251	04.36	34.670	27.51		1472.1							
	OBS	00276	04.34	34.780	27.60		1472.5							
	STD	00300	04.31	34.80	27.62	00.240	1472.8							
	OBS	00300	04.31	34.805	27.62		1472.8							
	OBS	00319	04.31	34.804	27.62		1473.2							

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REFID 31 8370	YEAR 1974	BOTDP 00355	AIR TEMP 02.0	DIR HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1306
CONSEC 0079	MONTH 05	SHIP EV	WET BULB 01.8	31 2 2	WIND-SPD 13	TRACE DIR D	5 SQUARE 4
LAT 46 59.0N	DAY 01	DATA USE 1	BAROMETR 1002.5	SEA	WIND-FOR	CURATION 00.2	2 SQUARE 66
LONG 046 30.0W	HOUR 09.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 5690015	1 SQUARE 66

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.50	33.38	26.73	00.000	1453.8							
09.5	OBS	00001	01.50	33.380	26.73		1453.9							
	STD	00010	01.50	33.38	26.73	00.013	1454.0							
	OBS	00011	01.50	33.380	26.73		1454.0							
	STD	00020	01.55	33.39	26.74	00.026	1454.4							
	OBS	00020	01.56	33.390	26.74		1454.5							
	STD	00030	01.82	33.42	26.74	00.040	1455.8							
	OBS	00030	01.83	33.430	26.75		1455.9							
	OBS	00040	01.96	33.730	26.98		1457.0							
	OBS	00043	02.57	33.960	27.12		1460.1							
	OBS	00049	02.79	33.970	27.10		1461.1							
	STD	00050	02.79	33.99	27.12	00.062	1461.1							
	OBS	00053	02.76	34.100	27.21		1461.2							
	STD	00075	02.93	34.18	27.26	00.085	1462.4							
	OBS	00076	02.94	34.180	27.26		1462.5							
	STD	00100	03.14	34.25	27.29	00.105	1463.8							
	OBS	00102	03.20	34.260	27.30		1464.2							
	OBS	00112	03.46	34.320	27.32		1465.5							
	OBS	00118	03.14	34.300	27.34		1464.2							
	OBS	00121	03.22	34.320	27.34		1464.6							
	STD	00125	03.40	34.32	27.33	00.124	1465.5							
	OBS	00125	03.43	34.320	27.32		1465.6							
	OBS	00133	03.50	34.330	27.33		1466.0							
	OBS	00137	03.77	34.450	27.39		1467.4							
	OBS	00139	03.86	34.460	27.39		1467.8							
	OBS	00144	04.25	34.530	27.41		1469.7							
	STD	00150	04.37	34.53	27.39	00.143	1470.3							
	OBS	00150	04.38	34.530	27.39		1470.3							
	OBS	00159	04.34	34.540	27.41		1470.3							
	OBS	00165	03.56	34.440	27.41		1467.0							
	OBS	00173	03.27	34.470	27.46		1465.5							
	OBS	00177	03.84	34.540	27.46		1468.5							
	OBS	00182	04.65	34.650	27.46		1472.1							
	STD	00200	04.79	34.75	27.52	00.175	1473.1							
	OBS	00201	04.81	34.760	27.53		1473.2							
	OBS	00205	04.74	34.780	27.55		1473.0							
	OBS	00209	04.74	34.770	27.54		1473.1							
	OBS	00220	04.59	34.810	27.59		1472.7							
	OBS	00228	04.70	34.810	27.58		1473.3							
	STD	00250	04.50	34.80	27.60	00.204	1472.8							
	OBS	00251	04.49	34.800	27.60		1472.8							
	OBS	00276	04.33	34.860	27.66		1472.6							
	STD	00300	04.42	34.85	27.64	00.229	1473.4							
	OBS	00300	04.42	34.850	27.64		1473.4							
	OBS	00346	04.16	34.860	27.68		1473.0							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID 31 8370	YEAR 1974	BOTDP 01134	AIR TEMP 01.2	DIR HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1306
CONSEC 0080	MONTH 05	SHIP EV	WET BULB 00.8	31 2 2	WIND-SPD 09	TRACE DIR D	5 SQUARE 4
LAT 47 00.5N	DAY 01	DATA USE 1	BAROMETR 1017.1	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 66
LONG 046 44.8W	HOUR 11.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 5700012	1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.45	33.07	26.59	00.000	1444.5							
11.2	OBS	00001	- 0.45	33.070	26.59		1444.6							
	OBS	00003	- 0.46	33.070	26.59		1444.6							
	STD	00010	- 0.44	33.07	26.59	00.015	1444.7							
	OBS	00011	- 0.44	33.080	26.60		1444.8							
	STD	00020	- 0.13	33.14	26.64	00.029	1446.4							
	OBS	00020	- 0.04	33.180	26.66		1446.9							
	OBS	00024	00.46	33.410	26.82		1449.6							
	OBS	00028	00.84	33.440	26.82		1451.4							
	STD	00030	00.76	33.49	26.87	00.042	1451.2							
	OBS	00034	00.61	33.590	26.96		1450.7							
	OBS	00040	00.62	33.620	26.98		1450.9							
	OBS	00043	01.10	33.800	27.10		1453.3							
	STD	00050	01.63	33.91	27.15	00.063	1455.9							
	OBS	00053	01.76	33.930	27.16		1456.6							
	OBS	00057	01.78	33.930	27.15		1456.8							
	OBS	00062	01.14	33.950	27.21		1454.0							
	OBS	00066	01.55	33.980	27.21		1456.0							
	OBS	00068	01.60	33.980	27.21		1456.2							
	OBS	00074	01.30	33.960	27.21		1455.0							
	STD	00075	01.20	34.06	27.30	00.085	1454.7							
	OBS	00076	01.11	34.170	27.39		1454.4							
	OBS	00081	01.56	34.190	27.38		1456.6							
	OBS	00091	03.18	34.430	27.44		1464.1							
	STD	00100	02.98	34.44	27.46	00.102	1463.4							
	OBS	00102	02.95	34.450	27.47		1463.3							
	OBS	00116	03.05	34.520	27.52		1464.1							
	STD	00125	02.85	34.52	27.54	00.117	1463.4							
	OBS	00127	02.80	34.520	27.54		1463.2							
	OBS	00133	02.94	34.540	27.55		1463.5							
	OBS	00137	03.48	34.610	27.55		1466.4							
	OBS	00140	03.60	34.670	27.59		1467.0							
	OBS	00146	04.45	34.770	27.58		1470.8							
	STD	00150	04.43	34.77	27.58	00.131	1470.8							
	OBS	00161	04.42	34.790	27.60		1471.0							
	OBS	00175	04.56	34.810	27.60		1471.8							
	STD	00200	04.55	34.88	27.65	00.156	1472.3							
	OBS	00201	04.54	34.880	27.65		1472.3							
	OBS	00207	04.49	34.870	27.65		1472.1							
	OBS	00232	02.51	34.670	27.65		1465.6							
	OBS	00245	02.94	34.710	27.68		1466.0							
	STD	00250	03.05	34.73	27.69	00.179	1466.6							
	OBS	00260	03.30	34.760	27.69		1467.9							
	OBS	00268	03.47	34.774	27.68		1468.7							
	OBS	00276	03.84	34.820	27.68		1470.5							
	STD	00300	03.47	34.78	27.69	00.201	1469.3							
	OBS	00300	03.47	34.780	27.69		1469.3							
	OBS	00325	03.75	34.800	27.67		1470.9							
	OBS	00376	04.22	34.880	27.69		1473.8							
	STD	00400	04.27	34.86	27.67	00.247	1474.4							
	OBS	00401	04.27	34.860	27.67		1474.4							
	OBS	00451	04.25	34.870	27.68		1475.2							
	STD	00500	04.22	34.88	27.69	00.294	1475.9							
	OBS	00500	04.22	34.880	27.69		1475.9							
	OBS	00550	03.93	34.880	27.72		1475.5							
	STD	00600	03.84	34.88	27.73	00.339	1475.9							
	OBS	00603	03.84	34.880	27.73		1476.0							
	OBS	00651	03.88	34.890	27.73		1477.0							
	STD	00700	03.75	34.88	27.74	00.382	1477.2							
	OBS	00700	03.75	34.880	27.74		1477.2							
	OBS	00750	03.73	34.880	27.74		1478.0							
	STD	00800	03.68	34.87	27.74	00.425	1478.6							
	OBS	00803	03.68	34.870	27.74		1478.6							
	OBS	00850	03.63	34.870	27.74		1479.2							
	STD	00900	03.61	34.87	27.74	00.469	1479.9							
	OBS	00900	03.61	34.870	27.74		1479.9							
	OBS	00953	03.56	34.860	27.74		1480.6							
	STD	01000	03.52	34.87	27.75	00.513	1481.2							
	OBS	01001	03.52	34.870	27.75		1481.2							
	OBS	01020	03.52	34.870	27.75		1481.6							

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REFID 31 8370	YEAR 1974	BOTOP 01156	AIR TEMP 06.0	DIR HGT PER	WIND-DIR 34	INST STD RECORDER	TEN SQ 1306
CONSEC 0081	MONTH 05	SHIP EV	WET BULB 04.2	28 2 3	WIND-SPD 03	TRACE DIR D	5 SQUARE 4
LAT 47 00.0N	DAY 01	DATA USE 1	BAROMETR 1018.3	SEA	WIND-FOR	DURATION 00.7	2 SQUARE 66
LONG 046 58.0W	HOUR 13.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 5710018	1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.01	33.09	26.63	00.000	1442.0							
13.2	OBS	00003	- 1.01	33.090	26.63		1442.0							
	OBS	00009	- 1.03	33.080	26.62		1442.0							
	STD	00010	- 1.05	33.08	26.62	00.014	1441.9							
	OBS	00011	- 1.10	33.087	26.63		1441.7							
	STD	00020	- 1.15	33.09	26.63	00.028	1441.6							
	OBS	00020	- 1.15	33.090	26.63		1441.6							
	STD	00030	- 1.17	33.09	26.64	00.043	1441.7							
	OBS	00030	- 1.17	33.095	26.64		1441.7							
	OBS	00041	- 1.33	33.150	26.69		1441.2							
	OBS	00045	- 1.57	33.287	26.80		1440.4							
	STD	00050	- 1.48	33.38	26.87	0C.069	1441.0							
	OBS	00051	- 1.45	33.400	26.89		1441.2							
	OBS	00060	- 1.32	33.510	26.98		1442.1							
	OBS	00066	- 1.05	33.577	27.02		1443.6							
	STD	00075	- 0.77	33.68	27.09	00.095	1445.1							
	OBS	00079	- 0.62	33.730	27.13		1446.0							
	STD	00100	- 0.07	33.92	27.26	00.118	1449.1							
	OBS	00100	- 0.04	33.930	27.27		1449.3							
	STD	00125	00.86	34.18	27.42	00.137	1454.1							
	OBS	00125	00.87	34.183	27.42		1454.2							
	STD	00150	01.09	34.30	27.50	00.152	1455.7							
	OBS	00150	01.09	34.305	27.50		1455.7							
	OBS	00175	01.30	34.347	27.52		1457.2							
	OBS	00198	01.83	34.450	27.57		1460.0							
	STD	00200	01.88	34.45	27.56	00.181	1460.3							
	OBS	00207	02.02	34.460	27.56		1461.0							
	OBS	00226	02.14	34.530	27.61		1462.0							
	STD	00250	02.24	34.54	27.60	00.207	1462.8							
	OBS	00251	02.25	34.540	27.61		1462.9							
	OBS	00283	02.45	34.610	27.64		1464.4							
	STD	00300	02.60	34.64	27.65	00.231	1465.3							
	OBS	00300	02.61	34.640	27.65		1465.4							
	OBS	00350	02.86	34.670	27.66		1467.3							
	STD	00400	03.44	34.80	27.70	00.276	1470.8							
	OBS	00401	03.45	34.800	27.70		1470.9							
	OBS	00451	03.77	34.860	27.72		1473.1							
	STD	00500	03.81	34.85	27.71	00.320	1474.1							
	OBS	00506	03.82	34.850	27.71		1474.2							
	OBS	00552	03.93	34.870	27.71		1475.5							
	STD	00600	03.95	34.88	27.72	00.364	1476.4							
	OBS	00603	03.95	34.880	27.72		1476.4							
	OBS	00651	03.90	34.885	27.73		1477.0							
	STD	00700	03.89	34.89	27.73	00.409	1477.8							
	OBS	00700	03.89	34.890	27.73		1477.8							
	OBS	00750	03.81	34.880	27.73		1478.3							
	STD	00800	03.79	34.88	27.73	00.453	1479.0							
	OBS	00803	03.79	34.880	27.73		1479.1							
	OBS	00850	03.75	34.870	27.73		1479.7							
	STD	00900	03.72	34.87	27.73	00.498	1480.4							
	OBS	00900	03.72	34.870	27.73		1480.4							
	OBS	00951	03.66	34.865	27.73		1481.0							
	STD	01000	03.63	34.86	27.73	00.543	1481.7							
	OBS	01001	03.63	34.860	27.73		1481.7							
	OBS	01027	03.59	34.860	27.74		1482.0							

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REFID 31 8370	YEAR 1974	BOTDP 00665	AIR TEMP 03.5	DIR HGT PER	WIND-DIR 02	INST STD RECORDER	TEN SQ 1306
CONSEC 0082	MONTH 05	SHIP EV	WET BULB 02.5	00 0 0	WIND-SPD 06	TRACE DIR D	5 SQUARE 4
LAT 47 00.0N	DAY 01	DATA USE I	BAROMETR 1018.9	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 66
LONG 047 13.5W	HOUR 15.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 5720015	1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.03	32.94	26.51	00.000	1441.7							
15.5	OBS	00003	- 1.03	32.940	26.51		1441.7							
	OBS	00009	- 1.32	32.940	26.52		1440.4							
	STD	00010	- 1.32	32.93	26.51	00.015	1440.4							
	OBS	00011	- 1.33	32.920	26.50		1440.4							
	STD	00020	- 1.41	32.94	26.52	00.031	1440.2							
	OBS	00020	- 1.41	32.940	26.52		1440.2							
	STD	00030	- 1.42	32.94	26.52	00.046	1440.3							
	OBS	00030	- 1.42	32.940	26.52		1440.3							
	STD	00050	- 1.59	33.26	26.78	00.074	1440.3							
	OBS	00051	- 1.60	33.270	26.79		1440.3							
	OBS	00072	- 1.67	33.290	26.81		1440.3							
	STD	00075	- 1.65	33.37	26.87	00.104	1440.6							
	OBS	00076	- 1.64	33.400	26.90		1440.7							
	OBS	00087	- 1.42	33.500	26.97		1442.1							
	OBS	00091	- 1.17	33.510	26.97		1443.3							
	STD	00100	- 0.98	33.60	27.04	00.132	1444.5							
	OBS	00100	- 0.96	33.610	27.05		1444.6							
	STD	00125	- 0.42	33.77	27.15	00.156	1447.7							
	OBS	00125	- 0.41	33.770	27.15		1447.8							
	STD	00150	00.17	33.93	27.25	00.178	1451.1							
	OBS	00152	00.22	33.940	27.26		1451.3							
	OBS	00175	00.65	34.090	27.36		1453.9							
	STD	00200	01.05	34.17	27.40	00.216	1456.2							
	OBS	00201	01.08	34.180	27.40		1456.4							
	OBS	00226	01.37	34.310	27.49		1458.3							
	STD	00250	01.75	34.41	27.54	00.248	1460.5							
	OBS	00251	01.77	34.410	27.54		1460.6							
	OBS	00276	02.00	34.460	27.56		1462.1							
	STD	00300	02.20	34.53	27.60	00.275	1463.4							
	OBS	00300	02.21	34.530	27.60		1463.5							
	OBS	00316	02.38	34.530	27.59		1464.5							
	OBS	00350	02.66	34.630	27.64		1466.4							
	STD	00400	02.78	34.66	27.65	00.324	1467.8							
	OBS	00403	02.79	34.660	27.65		1467.9							
	OBS	00453	02.98	34.680	27.65		1469.6							
	STD	00500	03.11	34.67	27.63	00.373	1470.9							
	OBS	00500	03.11	34.670	27.63		1470.9							
	OBS	00555	03.75	34.870	27.73		1474.8							
	STD	00600	03.84	34.87	27.72	00.420	1475.9							
	OBS	00601	03.84	34.870	27.72		1475.9							
	OBS	00651	03.72	34.880	27.74		1476.3							
	OBS	00662	03.72	34.880	27.74		1476.5							

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REFID 31 8370	YEAR 1974	BOTDP 00234	AIR TEMP 01.8	DIR HGT PER	WIND-DIR 03	INST STD RECORDER	TEN SQ 1306
CONSEC 0083	MONTH 05	SHIP EV	WET BULB 01.0	33 2 3	WIND-SPD 12	TRACE DIR D	5 SQUARE 4
LAT 47 00.0N	DAY 01	DATA USE 1	BAROMETR 1017.8	SEA	WIND-FOR	DURATION 00.I	2 SQUARE 66
LONG 047 23.5W	HOUR 16.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 5730016	1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.71	33.07	26.60	00.000	1443.3							
16.8	OBS	00003	- 0.71	33.070	26.60		1443.4							
	OBS	00009	- 0.94	33.040	26.59		1442.4							
	STD	00010	- 0.97	33.05	26.59	00.014	1442.3							
	OBS	00011	- 1.03	33.070	26.61		1442.0							
	STD	00020	- 1.09	33.08	26.62	00.029	1441.9							
	OBS	00020	- 1.10	33.080	26.62		1441.9							
	STD	00030	- 1.14	33.09	26.63	00.043	1441.9							
	OBS	00030	- 1.14	33.090	26.63		1441.8							
	STD	00050	- 1.40	33.14	26.68	00.071	1441.0							
	OBS	00051	- 1.42	33.150	26.69		1441.0							
	OBS	00068	- 1.73	33.280	26.80		1440.0							
	STD	00075	- 1.72	33.30	26.81	00.103	1440.1							
	OBS	00076	- 1.72	33.300	26.82		1440.2							
	STD	00100	- 1.59	33.44	26.93	00.133	1441.4							
	OBS	00102	- 1.49	33.490	26.97		1442.0							
	OBS	00108	- 1.23	33.620	27.06		1443.5							
	STD	00125	- 0.52	33.63	27.04	00.160	1447.1							
	OBS	00129	- 0.40	33.640	27.05		1447.7							
	STD	00150	- 0.24	33.76	27.14	00.184	1448.9							
	OBS	00150	- 0.24	33.760	27.14		1448.9							
	OBS	00175	00.01	33.830	27.18		1450.6							
	STD	00200	00.36	33.93	27.24	00.229	1452.7							
	OBS	00201	00.37	33.930	27.24		1452.8							
	OBS	00215	00.39	33.940	27.25		1453.2							

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REFID 31 8370	YEAR 1974	BOTDP 00174	AIR TEMP 01.8	DIR HGT PER	WIND-DIR 05	INST STD RECORDER	TEN SQ 1306
CONSEC 0084	MONTH 05	SHIP EV	WET BULB 00.9	33 3 3	WIND-SPD 10	TRACE DIR D	5 SQUARE 4
LAT 46 59.2N	DAY 01	DATA USE I	BAROMETR 1018.6	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 66
LONG 047 45.0W	HOUR 18.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	CRIG 011 5740016	1 SQUARE 67

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.08	32.95	26.48	00.000	1446.1							
18.4	OBS	00000	- 0.08	32.950	26.48		1446.1							
	STD	00010	- 0.22	32.95	26.48	00.016	1445.6							
	OBS	00011	- 0.24	32.950	26.49		1445.5							
	STD	00020	- 0.38	32.94	26.49	00.031	1445.0							
	OBS	00020	- 0.39	32.940	26.48		1445.0							
	OBS	00022	- 0.40	32.930	26.48		1444.9							
	STD	00030	- 0.43	32.94	26.49	00.047	1444.9							
	OBS	00030	- 0.43	32.940	26.49		1444.9							
	STD	00050	- 0.44	32.94	26.49	00.078	1445.2							
	OBS	00051	- 0.46	32.940	26.49		1445.2							
	OBS	00070	- 1.03	33.060	26.60		1443.0							
	STD	00075	- 1.14	33.06	26.61	00.115	1442.5							
	OBS	00085	- 1.36	33.120	26.66		1441.8							
	OBS	00095	- 1.49	33.240	26.76		1441.5							
	STD	00100	- 1.48	33.27	26.79	00.149	1441.6							
	OBS	00100	- 1.48	33.280	26.80		1441.7							
	STD	00125	- 1.09	33.47	26.94	00.178	1444.2							
	OBS	00129	- 1.03	33.480	26.94		1444.5							
	OBS	00133	- 0.98	33.480	26.94		1444.8							
	OBS	00137	- 0.98	33.480	26.94		1444.9							
	STD	00150	- 0.75	33.48	26.93	00.206	1446.2							
	OBS	00150	- 0.75	33.480	26.93		1446.2							

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REFID 31 8370	YEAR 1974	BOTDP 00137	AIR TEMP 01.8	DIR HGT PER	WIND-DIR 05	INST STD RECORDER	TEN SQ 1306
CONSEC 0085	MONTH 05	SHIP EV	WET BULB 00.9	33 3 3	WIND-SPD 10	TRACE DIR D	5 SQUARE 4
LAT 47 00.0N	DAY 01	DATA USE I	BAROMETR 1018.5	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 68
LONG 048 00.0W	HOUR 19.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	CRIG 011 5750016	1 SQUARE 78

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.08	32.95	26.48	00.000	1446.1							
19.6	OBS	00000	- 0.08	32.950	26.48		1446.1							
	STD	00010	- 0.22	32.95	26.48	00.016	1445.6							
	OBS	00011	- 0.24	32.950	26.49		1445.5							
	STD	00020	- 0.38	32.94	26.49	00.031	1445.0							
	OBS	00020	- 0.39	32.940	26.48		1445.0							
	OBS	00022	- 0.40	32.930	26.48		1444.9							
	STD	00030	- 0.43	32.94	26.49	00.047	1444.9							
	OBS	00030	- 0.43	32.940	26.49		1444.9							
	STD	00050	- 0.44	32.94	26.49	00.078	1445.2							
	OBS	00051	- 0.46	32.940	26.49		1445.2							
	OBS	00070	- 1.01	33.060	26.60		1443.1							
	STD	00075	- 1.14	33.06	26.61	00.115	1442.5							
	OBS	00085	- 1.37	33.120	26.66		1441.7							
	OBS	00095	- 1.49	33.240	26.76		1441.5							
	STD	00100	- 1.48	33.27	26.79	00.149	1441.6							
	OBS	00100	- 1.48	33.280	26.80		1441.7							
	STD	00125	- 1.09	33.47	26.94	00.178	1444.2							
	OBS	00129	- 1.03	33.480	26.94		1444.5							
	OBS	00133	- 0.98	33.480	26.94		1444.8							

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REFID 31 8370	YEAR 1974	BOTDP 00113	AIR TEMP 00.9	DIR HGT PER	WIND-DIR 32	INST STD RECORDER	TEN SQ 1306
CONSEC 0086	MONTH 05	SHIP EV	WET BULB 00.3	26 1 2	WIND-SPD 07	TRACE DIR D	5 SQUARE 4
LAT 47 00.0N	DAY 01	DATA USE 1	BAROMETR 1017.1	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 68
LONG 048 22.2W	HOUR 21.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	CRIG 011 576	1 SQUARE 78

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.15	32.94	26.47	00.000	1445.7							
21.8	OBS	00000	- 0.15	32.940	26.47		1445.7							
	STD	00010	- 0.19	32.94	26.48	00.016	1445.7							
	OBS	00011	- 0.19	32.940	26.48		1445.7							
	OBS	00013	- 0.19	32.930	26.47		1445.8							
	STD	00020	- 0.37	32.94	26.48	00.031	1445.1							
	OBS	00020	- 0.38	32.940	26.48		1445.0							
	STD	00030	- 0.40	32.95	26.49	00.047	1445.1							
	OBS	00030	- 0.40	32.950	26.49		1445.1							
	STD	00050	- 0.54	32.93	26.48	00.078	1444.7							
	OBS	00051	- 0.56	32.930	26.48		1444.7							
	STD	00075	- 1.10	33.05	26.60	00.115	1442.7							
	OBS	00078	- 1.15	33.070	26.62		1442.6							
	STD	00100	- 1.46	33.24	26.76	00.149	1441.7							
	OBS	00100	- 1.47	33.240	26.76		1441.7							
	OBS	00102	- 1.48	33.250	26.77		1441.7							
	OBS	00110	- 1.46	33.260	26.78		1441.9							

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REFID 31 8370 YEAR 1974 BOTDP 00097 AIR TEMP 01.2 DIR HGT PER WIND-DIR 11 INST STD RECORDER TEN SQ 1306
CONSEC 0087 MONTH 05 SHIP EV WET BULB 00.5 00 0 X WIND-SPD 08 TRACE DIR D 5 SQUARE 4
LAT 47 00.0N DAY 01 DATA USE 1 BAROMETR 1016.1 SEA WIND-FOR DURATION 00.1 2 SQUARE 68
LONG 048 40.0W HOUR 23.2 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 577 1 SQUARE 78

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.28	32.96	26.50	00.000	1445.2							
23.2	OBS	00000	- 0.28	32.960	26.50		1445.2							
	STD	00010	- 0.26	32.94	26.48	00.016	1445.4							
	OBS	00011	- 0.26	32.940	26.48		1445.4							
	STD	00020	- 0.39	32.95	26.49	00.031	1445.0							
	OBS	00020	- 0.40	32.950	26.49		1444.9							
	STD	00030	- 0.42	32.96	26.50	00.047	1445.0							
	OBS	00030	- 0.42	32.960	26.50		1445.0							
	STD	00050	- 0.45	32.96	26.50	00.077	1445.2							
	OBS	00051	- 0.47	32.960	26.50		1445.1							
	STD	00075	- 1.20	33.07	26.62	00.114	1442.3							
	OBS	00076	- 1.23	33.080	26.63		1442.2							
	OBS	00083	- 1.41	33.140	26.68		1441.5							
	OBS	00091	- 1.39	33.150	26.69		1441.8							

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REFID 31 8370 YEAR 1974 BOTDP 00090 AIR TEMP 04.8 DIR HGT PER WIND-DIR 10 INST STD RECORDER TEN SQ 1306
CONSEC 0088 MONTH 05 SHIP EV WET BULB 03.6 00 0 X WIND-SPD 05 TRACE DIR D 5 SQUARE 4
LAT 46 59.2N DAY 02 DATA USE 1 BAROMETR 1015.2 SEA WIND-FOR DURATION 00.1 2 SQUARE 68
LONG 048 56.0W HOUR 00.4 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 578 1 SQUARE 68

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.25	32.94	26.48	00.000	1445.3							
00.4	OBS	00001	- 0.25	32.940	26.48		1445.3							
	OBS	00007	- 0.24	32.930	26.47		1445.4							
	STD	00010	- 0.25	32.94	26.48	00.016	1445.5							
	OBS	00011	- 0.25	32.940	26.48		1445.5							
	STD	00020	- 0.28	32.93	26.47	00.031	1445.4							
	OBS	00020	- 0.29	32.930	26.47		1445.4							
	STD	00030	- 0.41	32.94	26.48	00.047	1445.0							
	OBS	00030	- 0.42	32.940	26.49		1445.0							
	STD	00050	- 0.57	32.95	26.50	00.078	1444.6							
	OBS	00051	- 0.60	32.960	26.51		1444.5							
	OBS	00074	- 1.42	33.140	26.68		1441.3							
	STD	00075	- 1.42	33.14	26.68	00.114	1441.4							
	OBS	00076	- 1.41	33.150	26.69		1441.4							
	OBS	00083	- 1.42	33.160	26.70		1441.5							

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REFID 31 8370	YEAR 1974	BOTDP C4068	AIR TEMP 11.5	DIR HGT PER	WIND-DIR 24	INST STD RECORDER	TEN SQ 1307
CONSEC 0089	MONTH 06	SHIP EV	WET BULB 08.2	22 3 3	WIND-SPD 15	TRACE DIR D	5 SQUARE 1
LAT 41 04.2N	DAY 09	DATA USE 1	BAROMETR 1009.1	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 00
LONG 050 19.5W	HOUR 02.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X9	ORIG 011 579	1 SQUARE 10

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	18.98	36.41	26.12	00.000	1521.0							
02.1	OBS	00007	18.98	36.410	26.12		1521.1							
	STD	00010	18.97	36.41	26.12	00.019	1521.1							
	OBS	00011	18.97	36.413	26.13		1521.1							
	✓STD	00020	18.99	36.41	26.12	00.038	1521.3							
	OBS	00022	18.99	36.405	26.11		1521.4							
	STD	00030	16.99	36.40	26.11	00.057	1521.5							
	OBS	00032	18.99	36.397	26.11		1521.5							
	STD	00050	18.99	36.38	26.10	00.096	1521.8							
	OBS	00051	18.98	36.380	26.10		1521.8							
	OBS	00064	18.82	36.360	26.12		1521.5							
	STD	00075	18.35	36.28	26.18	00.144	1520.3							
	OBS	00076	18.31	36.275	26.19		1520.2							
	STD	00100	17.87	36.37	26.37	00.188	1519.4							
	OBS	00102	17.82	36.380	26.39		1519.3							
	STD	00125	17.39	36.27	26.41	00.230	1518.3							
	OBS	00125	17.39	36.270	26.41		1518.3							
	OBS	00140	17.44	36.370	26.48		1518.8							
	OBS	00148	17.26	36.375	26.52		1518.4							
	STD	00150	17.28	36.37	26.52	00.271	1518.5							
	OBS	00150	17.28	36.370	26.51		1518.5							
	OBS	00175	17.06	36.390	26.58		1518.3							
	STD	00200	16.85	36.36	26.61	00.348	1518.0							
	OBS	00201	16.83	36.360	26.62		1518.0							
	OBS	00228	16.48	36.260	26.62		1517.3							
	OBS	00236	15.70	36.040	26.63		1514.7							
	STD	00250	15.31	35.94	26.65	00.422	1513.6							
	OBS	00251	15.29	35.940	26.65		1513.6							
	OBS	00276	15.51	36.050	26.68		1514.8							
	OBS	00281	15.42	36.070	26.72		1514.6							
	OBS	00289	14.94	35.915	26.71		1513.1							
	STD	00300	14.70	35.89	26.74	00.494	1512.5							
	OBS	00304	14.67	35.873	26.73		1512.4							
	OBS	00312	14.70	35.920	26.76		1512.7							
	OBS	00316	14.51	35.865	26.76		1512.1							
	OBS	00340	14.59	35.920	26.79		1512.8							
	OBS	00346	14.36	35.840	26.78		1512.1							
	OBS	00348	14.32	35.830	26.78		1512.0							
	OBS	00352	13.91	35.720	26.78		1510.6							
	STD	00400	13.33	35.70	26.89	00.629	1509.4							
	OBS	00401	13.30	35.700	26.89		1509.3							
	OBS	00428	12.76	35.670	26.98		1507.9							
	OBS	00434	12.46	35.590	26.98		1506.9							
	OBS	00453	12.09	35.520	26.99		1505.9							
	OBS	00474	11.64	35.470	27.04		1504.6							
	STD	00500	10.71	35.34	27.11	00.747	1501.6							
	OBS	00500	10.70	35.342	27.11		1501.6							
	OBS	00506	10.61	35.333	27.12		1501.3							
	OBS	00519	10.25	35.225	27.10		1500.1							
	OBS	00525	10.22	35.230	27.11		1500.1							
	OBS	00531	09.96	35.240	27.17		1499.3							
	OBS	00534	09.86	35.245	27.19		1499.0							
	OBS	00542	09.58	35.170	27.18		1498.0							
	OBS	00550	09.40	35.160	27.20		1497.4							
	STD	00600	08.44	35.13	27.33	00.845	1494.6							
	OBS	00601	08.41	35.120	27.33		1494.5							
	OBS	00616	08.11	35.040	27.31		1493.5							
	OBS	00652	07.73	35.080	27.40		1492.7							
	STD	00700	06.94	35.03	27.47	00.925	1490.4							
	OBS	00700	06.93	35.030	27.47		1490.3							
	OBS	00750	06.44	35.030	27.54		1489.2							
	STD	00800	06.02	35.02	27.59	00.993	1488.4							
	OBS	00805	05.98	35.020	27.59		1488.3							
	OBS	00822	05.83	35.030	27.62		1488.0							
	OBS	00837	06.07	35.080	27.63		1489.3							
	OBS	00850	05.76	35.040	27.64		1488.2							
	STD	00900	05.37	35.03	27.68	01.051	1487.4							
	OBS	00902	05.35	35.030	27.68		1487.4							
	OBS	00927	05.19	34.990	27.67		1487.1							
	OBS	00951	05.03	35.010	27.70		1486.9							
	OBS	00999	04.78	34.990	27.71		1486.6							
	STD	01000	04.79	34.99	27.71	01.103	1486.7							
	OBS	01001	04.80	34.990	27.71		1486.7							
	OBS	01018	04.78	34.996	27.72		1486.9							

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REFID 31 8370 | YEAR 1974 | BOTDP 03709 | AIR TEMP 10.3 | DIR HGT PER | WIND-DIR 28 | INST STD RECORDER | TEN SQ 1307
CONSEC 0090 | MONTH 06 | SHIP EV | WET BULB 09.3 | 28 3 2 | WIND-SPD 15 | TRACE DIR D | 5 SQUARE 1
LAT 41 28.6N | DAY 09 | DATA USE I | BAROMETR 1010.0 | SEA | WIND-FOR | DURATION 00.4 | 2 SQUARE 00
LONG 050 18.7W | HOUR 05.7 | AREA 05 | CLOUD T/A | CL/TR | WEATHER X2 | ORIG 011 580 | 1 SQUARE 10

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	14.93	35.33	26.26	00.000	1507.6							
05.7	OBS	00001	14.93	35.330	26.26		1507.6							
	STD	00010	14.92	35.33	26.26	00.018	1507.7							
	OBS	00011	14.92	35.335	26.27		1507.7							
	STD	00020	14.96	35.36	26.27	00.035	1508.0							
	OBS	00020	14.97	35.360	26.27		1508.1							
	OBS	00028	15.10	35.375	26.26		1508.6							
	STD	00030	14.99	35.37	26.28	00.053	1508.3							
	OBS	00038	14.39	35.365	26.40		1506.5							
	OBS	00040	14.25	35.500	26.54		1506.3							
	OBS	00045	14.45	35.590	26.56		1507.1							
	OBS	00049	14.47	35.590	26.56		1507.2							
	STD	00050	14.50	35.60	26.56	00.086	1507.4							
	OBS	00055	14.78	35.707	26.58		1508.5							
	OBS	00072	14.95	35.815	26.63		1509.4							
	STD	00075	14.59	35.72	26.64	00.122	1508.2							
	OBS	00076	14.46	35.690	26.64		1507.8							
	STD	00100	14.35	35.66	26.64	00.158	1507.8							
	OBS	00100	14.34	35.660	26.64		1507.7							
	STD	00125	14.03	35.71	26.75	00.193	1507.2							
	OBS	00125	14.02	35.710	26.75		1507.2							
	OBS	00127	14.03	35.704	26.74		1507.2							
	OBS	00131	13.82	35.635	26.73		1506.5							
	STD	00150	13.76	35.60	26.72	00.227	1506.6							
	OBS	00154	13.73	35.590	26.72		1506.6							
	OBS	00177	13.48	35.580	26.76		1506.1							
	STD	00200	13.21	35.59	26.82	00.294	1505.6							
	OBS	00201	13.19	35.590	26.83		1505.5							
	OBS	00228	12.92	35.510	26.82		1505.0							
	STD	00250	13.05	35.56	26.83	00.358	1505.8							
	OBS	00255	13.08	35.570	26.84		1506.0							
	OBS	00262	12.83	35.585	26.90		1505.3							
	OBS	00268	12.59	35.510	26.89		1504.5							
	OBS	00276	12.45	35.510	26.92		1504.2							
	STD	00300	11.79	35.39	26.95	00.420	1502.1							
	OBS	00306	11.60	35.370	26.97		1501.6							
	OBS	00333	10.81	35.320	27.08		1499.2							
	OBS	00354	11.12	35.377	27.07		1500.7							
	OBS	00392	10.24	35.240	27.12		1498.0							
	STD	00400	10.11	35.23	27.13	00.531	1497.7							
	OBS	00401	10.09	35.225	27.13		1497.6							
	OBS	00407	10.01	35.240	27.16		1497.4							
	OBS	00451	09.02	35.150	27.25		1494.4							
	STD	00500	08.15	35.14	27.38	00.623	1491.9							
	OBS	00500	08.14	35.140	27.38		1491.9							
	OBS	00529	07.88	35.125	27.41		1491.3							
	OBS	00550	07.49	35.030	27.39		1490.0							
	STD	00600	07.29	35.16	27.52	00.696	1490.2							
	OBS	00601	07.27	35.160	27.53		1490.2							
	OBS	00630	06.85	35.120	27.55		1489.0							
	OBS	00658	06.44	35.040	27.55		1487.7							
	STD	00700	05.77	34.99	27.60	00.760	1485.7							
	OBS	00700	05.76	34.990	27.60		1485.6							
	OBS	00750	05.58	35.040	27.66		1485.8							
	STD	00800	05.06	34.99	27.68	00.816	1484.4							
	OBS	00805	05.03	34.985	27.68		1484.4							
	OBS	00833	04.97	34.980	27.68		1484.6							
	OBS	00850	04.90	34.990	27.70		1484.6							
	STD	00900	04.78	34.99	27.71	00.866	1485.0							
	OBS	00902	04.78	34.990	27.71		1485.0							
	OBS	00951	04.71	34.990	27.72		1485.5							
	OBS	00982	04.60	34.980	27.73		1485.6							
	STD	01000	04.62	35.00	27.74	00.915	1486.0							
	OBS	01003	04.63	35.000	27.74		1486.1							
	OBS	01022	04.67	35.010	27.74		1486.6							

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REFID 31 8370	YEAR 1974	BOTDP 03651	AIR TEMP 10.3	DIR HGT PER	WIND-DIR 28	INST STD RECORDER	TEN SQ 1307
CONSEC 0091	MONTH 06	SHIP EV	WET BULB 09.3	28 2 2	WIND-SPD 15	TRACE DIR D	5 SQUARE 1
LAT 41 48.2N	DAY 09	DATA USE 1	BAROMETR 1010.5	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 00
LONG 050 21.0W	HOUR 08.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 581	1 SQUARE 10

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	13.30	34.90	26.28	00.000	1501.8							
08.9	OBS	00005	13.30	34.903	26.28		1501.8							
	STD	00010	13.31	34.91	26.28	00.018	1501.9							
	OBS	00011	13.32	34.910	26.28		1502.0							
	OBS	00017	13.41	35.013	26.34		1502.5							
	STD	00020	14.28	35.32	26.39	00.035	1505.8							
	OBS	00022	15.00	35.570	26.43		1508.5							
	STD	00030	15.20	35.60	26.40 *	00.051	1509.3							
	STD	00050	15.48	35.70	26.42	00.084	1510.6							
	OBS	00051	15.48	35.710	26.43		1510.6							
	STD	00075	15.21	35.91	26.64	00.122	1510.4							
	OBS	00076	15.20	35.910	26.65		1510.4							
	STD	00100	15.16	35.92	26.66	00.158	1510.7							
	OBS	00100	15.15	35.920	26.66		1510.6							
	OBS	00121	14.55	35.835	26.73		1509.0							
	STD	00125	14.39	35.78	26.73	00.192	1508.5							
	OBS	00127	14.28	35.750	26.72		1508.1							
	STD	00150	14.04	35.70	26.74	00.226	1507.7							
	OBS	00152	14.02	35.700	26.74		1507.6							
	OBS	00159	14.18	35.730	26.73		1508.3							
	OBS	00177	14.04	35.717	26.75		1508.1							
	OBS	00180	14.00	35.700	26.75		1508.0							
	OBS	00184	13.75	35.703	26.80		1507.3							
	OBS	00190	13.29	35.582	26.80		1505.7							
	STD	00200	13.25	35.58	26.81	00.293	1505.7							
	OBS	00203	13.23	35.583	26.82		1505.7							
	OBS	00228	13.16	35.590	26.84		1505.9							
	STD	00250	13.29	35.72	26.91	00.356	1506.8							
	OBS	00251	13.30	35.730	26.91		1506.9							
	OBS	00258	13.16	35.700	26.92		1506.5							
	OBS	00276	12.26	35.520	26.96		1503.5							
	STD	00300	11.82	35.53	27.05	00.414	1502.4							
	OBS	00300	11.80	35.530	27.06		1502.4							
	OBS	00302	11.74	35.503	27.05		1502.2							
	OBS	00308	11.22	35.370	27.04		1500.3							
	OBS	00310	11.19	35.380	27.06		1500.2							
	OBS	00321	10.91	35.373	27.10		1499.4							
	OBS	00340	10.53	35.320	27.13		1498.3							
	OBS	00356	10.13	35.220	27.12		1497.0							
	OBS	00388	09.70	35.230	27.20		1496.0							
	OBS	00395	09.43	35.170	27.20		1495.0							
	STD	00400	09.31	35.16	27.21	00.516	1494.6							
	OBS	00401	09.26	35.150	27.21		1494.5							
	OBS	00451	08.45	35.140	27.33		1492.2							
	OBS	00460	08.29	35.120	27.34		1491.8							
	OBS	00472	07.93	35.030	27.33		1490.5							
	OBS	00494	07.46	35.030	27.40		1489.0							
	STD	00500	07.03	34.93	27.38	00.603	1487.3							
	OBS	00504	06.71	34.880	27.38		1486.0							
	OBS	00506	06.59	34.870	27.39		1485.6							
	OBS	00519	05.52	34.720	27.41		1481.3							
	OBS	00523	05.42	34.690	27.40		1480.9							
	OBS	00531	05.09	34.690	27.44		1479.7							
	OBS	00540	05.98	34.900	27.50		1483.8							
	OBS	00548	06.37	34.990	27.52		1485.6							
	OBS	00550	06.37	34.990	27.52		1485.6							
	OBS	00565	06.35	35.010	27.54		1485.8							
	OBS	00582	05.28	34.830	27.53		1481.5							
	OBS	00588	05.27	34.830	27.53		1481.6							
	OBS	00599	04.61	34.785	27.57		1479.0							
	STD	00600	04.62	34.79	27.57	00.672	1479.0							
	OBS	00603	04.67	34.800	27.58		1479.3							
	OBS	00635	04.37	34.820	27.63		1478.6							
	OBS	00645	04.45	34.815	27.61		1479.1							
	OBS	00652	04.75	34.885	27.63		1480.6							
	OBS	00683	04.92	34.910	27.63		1481.8							
	STD	00700	05.12	34.99	27.68	00.727	1483.0							
	OBS	00706	05.17	35.017	27.69		1483.4							
	OBS	00753	05.22	35.037	27.70		1484.4							
	STD	00800	05.02	35.02	27.71	00.777	1484.3							
	OBS	00801	05.01	35.020	27.71		1484.3							
	OBS	00850	04.84	35.035	27.74		1484.5							
	OBS	00864	04.53	34.990	27.74		1483.3							
	STD	00900	04.34	34.98	27.76	00.824	1483.1							
	OBS	00904	04.33	34.980	27.76		1483.2							
	OBS	00953	04.39	34.990	27.76		1484.2							
	STD	01000	04.77	35.02	27.74	00.870	1486.6							
	OBS	01003	04.77	35.020	27.74		1486.7							
	OBS	01020	04.72	35.040	27.76		1486.8							

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REFID 31 8370	YEAR 1974	BOTDP 03180	AIR TEMP 08.0	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1307
CONSEC 0092	MONTH 06	SHIP EV	WET BULB 07.0	23 3 2	WIND-SPD 12	TRACE DIR D	5 SQUARE 1
LAT 42 09.5N	DAY 09	DATA USE 1	BAROMETR 1010.2	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 20
LONG 050 20.0W	HOUR 12.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 582	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	08.33	33.65	26.18	00.000	1482.4							
12.2	OBS	00001	08.33	33.646	26.18		1482.5							
	STD	00010	08.27	33.66	26.20	00.018	1482.4							
	OBS	00011	08.27	33.660	26.20		1482.4							
	STD	00020	08.28	33.68	26.22	00.037	1482.6							
	OBS	00022	08.28	33.687	26.22		1482.7							
	OBS	00026	08.43	33.765	26.26		1483.4							
	STD	00030	08.77	33.82	26.25	00.055	1484.8							
	OBS	00036	09.12	33.903	26.26		1486.3							
	OBS	00040	09.17	33.950	26.29		1486.6							
	OBS	00047	07.75	33.650	26.27		1481.0							
	STD	00050	07.73	33.64	26.27	00.090	1480.9							
	OBS	00051	07.64	33.640	26.28		1480.6							
	OBS	00060	05.48	33.565	26.51		1472.1							
	OBS	00068	03.00	33.310	26.56		1461.4							
	OBS	00070	03.27	33.450	26.65		1462.8							
	OBS	00074	04.78	33.650	26.65		1469.5							
	STD	00075	04.78	33.65	26.65	00.130	1469.5							
	OBS	00079	04.81	33.640	26.64		1469.7							
	OBS	00085	09.94	34.700	26.75		1491.2							
	STD	00100	12.07	35.21	26.76	00.164	1499.6							
	OBS	00102	12.16	35.240	26.76		1500.0							
	OBS	00116	11.08	35.030	26.80		1496.2							
	OBS	00119	10.99	35.030	26.82		1495.9							
	OBS	00121	11.73	35.240	26.85		1498.8							
	OBS	00123	11.79	35.285	26.87		1499.1							
	STD	00125	11.76	35.27	26.86	00.196	1499.0							
	OBS	00129	11.56	35.230	26.87		1498.4							
	OBS	00131	11.42	35.230	26.90		1497.9							
	OBS	00137	10.59	35.070	26.92		1494.9							
	OBS	00140	10.31	35.020	26.93		1493.8							
	OBS	00142	10.19	34.990	26.93		1493.4							
	OBS	00148	09.81	34.910	26.93		1492.0							
	STD	00150	08.71	34.71	26.96	00.225	1487.7							
	OBS	00158	04.40	33.990	26.96		1469.8							
	OBS	00173	03.30	34.075	27.14		1465.5							
	OBS	00177	03.80	34.135	27.14		1467.8							
	STD	00200	03.86	34.13	27.13	00.278	1468.4							
	OBS	00203	03.87	34.130	27.13		1468.5							
	OBS	00209	03.88	34.140	27.14		1468.6							
	OBS	00215	04.22	34.197	27.15		1470.2							
	OBS	00218	04.33	34.200	27.14		1470.8							
	OBS	00224	03.86	34.140	27.14		1468.8							
	OBS	00226	03.83	34.130	27.13		1468.7							
	OBS	00239	03.79	34.120	27.13		1468.7							
	OBS	00249	02.40	33.980	27.15		1462.7							
	STD	00250	02.40	33.98	27.15	00.325	1462.7							
	OBS	00253	02.40	33.985	27.15		1462.8							
	OBS	00257	02.25	33.990	27.17		1462.2							
	OBS	00268	01.22	33.900	27.17		1457.7							
	OBS	00279	01.68	33.980	27.20		1460.1							
	OBS	00287	01.68	34.010	27.23		1460.2							
	STD	00300	02.04	34.13	27.30	00.369	1462.2							
	OBS	00300	02.07	34.140	27.30		1462.3							
	OBS	00310	02.54	34.185	27.30		1464.6							
	OBS	00314	02.75	34.210	27.30		1465.6							
	OBS	00319	04.06	34.450	27.36		1471.6							
	OBS	00321	04.15	34.460	27.36		1472.1							
	OBS	00333	05.78	34.690	27.36		1479.3							
	OBS	00344	05.53	34.650	27.36		1478.4							
	OBS	00359	03.22	34.320	27.34		1468.5							
	OBS	00369	03.38	34.350	27.35		1469.4							
	OBS	00384	05.85	34.840	27.47		1480.6							
	OBS	00386	05.94	34.830	27.45		1481.0							
	OBS	00394	06.97	35.040	27.47		1485.5							
	STD	00400	07.02	35.03	27.46	00.443	1485.7							
	OBS	00403	07.05	35.030	27.46		1485.5							
	OBS	00416	07.19	35.135	27.52		1486.8							
	OBS	00439	06.36	35.020	27.54		1483.8							
	OBS	00453	06.22	35.010	27.55		1483.4							
	OBS	00462	06.08	35.000	27.56		1483.0							
	OBS	00474	05.31	34.880	27.56		1479.9							
	STD	00500	04.59	34.83	27.61	00.505	1477.3							
	OBS	00500	04.58	34.830	27.61		1477.3							
	OBS	00552	04.76	34.890	27.64		1479.0							
	OBS	00565	05.06	34.945	27.65		1480.5							
	STD	00600	05.17	35.00	27.68	00.557	1481.6							
	OBS	00601	05.17	35.000	27.68		1481.6							
	STD	00700	05.42	35.04	27.68	00.608	1484.3							
	OBS	00700	05.42	35.040	27.68		1484.3							
	OBS	00750	05.21	35.020	27.69		1484.3							
	STD	00800	05.07	35.04	27.72	00.658	1484.5							
	OBS	00801	05.06	35.040	27.72		1484.5							
	OBS	00850	04.85	35.020	27.73		1484.5							
	STD	00900	04.80	35.01	27.73	00.706	1485.1							
	OBS	00900	04.80	35.010	27.73		1485.1							
	OBS	00951	04.63	35.040	27.77		1485.3							
	STD	01000	04.47	35.01	27.76	00.753	1485.4							
	OBS	01001	04.47	35.010	27.76		1485.4							
	OBS	01035	04.38	35.010	27.77		1485.6							

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REFID 31 8370	YEAR 1974	BOTDP 02633	AIR TEMP 12.2	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1307
CONSEC 0093	MONTH 06	SHIP EV	WET BULB 09.3	00 0 X	WIND-SPD 12	TRACE DIR D	5 SQUARE 1
LAT 42 23.5N	DAY 09	DATA USE I	BAROMETR 1006.0	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 20
LONG 050 19.0W	HOUR 15.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 5830014	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	08.09	33.64	26.21	00.000	1481.5							
15.1	OBS	00000	08.09	33.640	26.21		1481.5							
	STD	00010	07.89	33.65	26.25	00.018	1480.9							
	OBS	00011	07.88	33.650	26.25		1480.9							
	STD	00020	07.90	33.64	26.24	00.036	1481.1							
	OBS	00020	07.90	33.640	26.24		1481.1							
	STD	00030	07.89	33.65	26.25	00.054	1481.2							
	OBS	00034	07.89	33.650	26.25		1481.3							
	OBS	00036	07.70	33.600	26.24		1480.5							
	OBS	00040	06.81	33.535	26.31		1477.0							
	OBS	00045	06.39	33.660	26.47		1475.6							
	OBS	00047	06.44	33.830	26.59		1476.1							
	STD	00050	07.65	34.06	26.61	00.086	1481.2							
	OBS	00051	08.00	34.150	26.63		1482.7							
	OBS	00053	08.07	34.210	26.66		1483.0							
	OBS	00057	08.54	34.320	26.68		1485.0							
	OBS	00062	09.11	34.547	26.77		1487.6							
	OBS	00066	09.81	34.820	26.86		1490.6							
	OBS	00068	10.42	34.937	26.85		1492.9							
	OBS	00074	07.95	34.440	26.86		1483.2							
	STD	00075	07.94	34.44	26.86	00.119	1483.2							
	OBS	00078	07.91	34.480	26.90		1483.2							
	OBS	00087	09.90	34.980	26.97		1491.4							
	OBS	00093	09.81	34.965	26.98		1491.2							
	STD	00100	09.94	35.03	27.01	00.148	1491.9							
	OBS	00102	10.04	35.063	27.01		1492.3							
	OBS	00110	10.44	35.160	27.02		1494.0							
	OBS	00112	10.42	35.170	27.03		1494.0							
	OBS	00116	10.65	35.240	27.04		1494.9							
	STD	00125	10.37	35.18	27.05	00.174	1494.0							
	OBS	00129	10.20	35.165	27.06		1493.4							
	OBS	00135	09.94	35.140	27.09		1492.6							
	OBS	00142	09.33	35.020	27.10		1490.3							
	STD	00150	07.93	34.72	27.08	00.200	1484.8							
	OBS	00152	07.70	34.680	27.09		1483.9							
	OBS	00156	07.55	34.675	27.11		1483.3							
	OBS	00159	07.26	34.667	27.14		1482.3							
	OBS	00165	06.96	34.650	27.17		1481.2							
	OBS	00171	06.91	34.650	27.18		1481.0							
	OBS	00196	08.74	35.025	27.20		1489.0							
	STD	00200	08.73	35.03	27.20	00.248	1489.0							
	OBS	00201	08.73	35.030	27.20		1489.0							
	OBS	00207	08.50	34.993	27.21		1488.2							
	OBS	00215	08.05	34.880	27.19		1486.5							
	OBS	00226	07.80	34.900	27.25		1485.7							
	STD	00250	07.71	34.87	27.24	00.294	1485.7							
	OBS	00251	07.70	34.870	27.24		1485.7							
	OBS	00268	07.52	34.880	27.27		1485.3							
	OBS	00272	07.70	34.905	27.26		1486.1							
	OBS	00276	07.66	34.910	27.27		1486.0							
	OBS	00281	07.67	34.955	27.31		1486.2							
	OBS	00287	07.91	35.020	27.32		1487.3							
	OBS	00293	07.84	34.990	27.31		1487.1							
	OBS	00298	05.76	34.660	27.34		1478.6							
	STD	00300	05.97	34.70	27.34	00.335	1479.5							
	OBS	00312	06.32	34.790	27.37		1481.2							
	OBS	00316	05.70	34.663	27.35		1478.6							
	OBS	00333	05.39	34.640	27.37		1477.6							
	OBS	00338	05.69	34.685	27.36		1479.0							
	OBS	00346	06.28	34.830	27.40		1481.7							
	OBS	00352	06.29	34.825	27.40		1481.8							
	OBS	00397	06.16	34.870	27.45		1482.1							
	STD	00400	05.97	34.83	27.44	00.410	1481.3							
	OBS	00401	05.87	34.810	27.44		1480.9							
	OBS	00407	05.83	34.855	27.48		1480.9							
	OBS	00413	06.10	34.890	27.47		1482.1							
	OBS	00428	06.84	35.040	27.49		1485.5							
	OBS	00447	06.25	35.000	27.54		1483.4							
	OBS	00454	06.43	35.030	27.54		1484.3							
	OBS	00456	06.41	35.040	27.55		1484.3							
	OBS	00462	06.66	35.120	27.58		1485.5							
	OBS	00468	05.97	35.010	27.59		1482.7							
	OBS	00479	04.85	34.830	27.58		1478.1							
	STD	00500	05.13	34.94	27.63	00.471	1479.7							
	OBS	00500	05.14	34.940	27.63		1479.8							
	OBS	00517	04.88	34.890	27.62		1478.9							
	OBS	00544	04.38	34.870	27.66		1477.2							
	OBS	00592	04.67	34.900	27.66		1479.3							
	STD	00600	04.55	34.90	27.66	00.523	1478.9							
	OBS	00603	04.52	34.893	27.67		1478.8							
	OBS	00622	04.56	34.950	27.71		1479.4							
	OBS	00664	04.94	35.010	27.71		1481.7							
	STD	00700	04.99	35.03	27.72	00.571	1482.6							
	OBS	00702	04.99	35.030	27.72		1482.6							
	OBS	00751	04.99	35.040	27.73		1483.4							
	STD	00800	04.84	35.04	27.75	00.617	1483.6							
	OBS	00803	04.83	35.040	27.75		1483.6							
	OBS	00850	04.72	35.030	27.75		1484.0							
	STD	00900	04.67	35.03	27.76	00.663	1484.6							
	OBS	00900	04.67	35.030	27.76		1484.6							
	OBS	00951	04.58	35.030	27.77		1485.1							
	STD	01000	04.51	35.02	27.77	00.707	1485.6							
	OBS	01001	04.51	35.020	27.77		1485.6							
	OBS	01016	04.49	35.020	27.77		1485.8							

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REFID 31 8370 YEAR 1974 BOTDP 01650 AIR TEMP 12.5 DIR HGT PER WIND-DIR 16 INST STD RECORDER TEN SQ 1307
CONSEC 0094 MONTH 06 SHIP EV WET BULB 10.9 14 3 2 WIND-SPD 12 TRACE DIR D 5 SQUARE 1
LAT 42 38.2N DAY 09 DATA USE I BAROMETR 1005.8 SEA WIND-FOR DURATION 00.6 2 SQUARE 20
LONG 050 19.0W HOUR 17.2 AREA 05 CLOUD T/A CL/TR WEATHER XS ORIG 011 5840020 1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	07.03	32.90	25.78	00.000	1476.4							
17.2	OBS	00001	07.03	32.900	25.78		1476.4							
	OBS	00007	07.06	33.060	25.91		1476.9							
	STD	00010	07.64	33.36	26.06	00.021	1479.6							
	OBS	00011	07.89	33.480	26.12		1480.7							
	OBS	00015	08.26	33.560	26.13		1482.3							
	STD	00020	08.17	33.61	26.17	00.040	1482.1							
	OBS	00020	08.15	33.610	26.18		1482.0							
	OBS	00026	07.93	33.613	26.22		1481.3							
	STD	00030	08.09	33.77	26.31	00.058	1482.2							
	OBS	00030	08.13	33.780	26.32		1482.3							
	OBS	00032	08.30	33.800	26.31		1483.0							
	OBS	00034	07.76	33.730	26.33		1480.9							
	OBS	00040	07.73	33.730	26.34		1480.9							
	OBS	00043	09.28	34.130	26.41		1487.3							
	OBS	00045	09.34	34.160	26.43		1487.6							
	STD	00050	09.27	34.16	26.44	00.091	1487.4							
	OBS	00051	09.14	34.157	26.46		1487.0							
	OBS	00059	07.53	33.863	26.47		1480.6							
	OBS	00060	07.62	33.930	26.51		1481.1							
	OBS	00062	08.34	34.080	26.52		1484.1							
	OBS	00068	08.20	34.125	26.58		1483.7							
	OBS	00070	08.48	34.275	26.65		1485.0							
	STD	00075	08.37	34.31	26.70	00.128	1484.7							
	OBS	00076	08.34	34.343	26.73		1484.6							
	OBS	00078	08.65	34.410	26.73		1485.9							
	OBS	00079	08.73	34.440	26.74		1486.3							
	OBS	00081	09.00	34.510	26.75		1487.4							
	STD	00100	09.64	34.76	26.85	00.161	1490.4							
	OBS	00100	09.68	34.775	26.85		1490.6							
	OBS	00112	10.35	34.975	26.89		1493.5							
	STD	00125	10.52	34.99	26.87	00.191	1494.3							
	OBS	00125	10.52	34.990	26.87		1494.3							
	STD	00150	10.22	34.98	26.92	00.221	1493.6							
	OBS	00150	10.22	34.980	26.92		1493.6							
	OBS	00152	10.20	34.980	26.92		1493.6							
	OBS	00156	09.59	34.840	26.92		1491.2							
	OBS	00165	09.03	34.750	26.94		1489.2							
	OBS	00169	08.40	34.635	26.95		1486.7							
	OBS	00173	08.32	34.660	26.98		1486.5							
	OBS	00180	09.44	34.950	27.03		1491.2							
	OBS	00186	09.56	34.990	27.04		1491.8							
	OBS	00196	08.85	34.850	27.04		1489.2							
	STD	00200	08.78	34.84	27.04	00.278	1489.0							
	OBS	00201	08.77	34.830	27.04		1488.9							
	OBS	00203	08.77	34.860	27.07		1489.0							
	OBS	00209	09.73	35.100	27.10		1493.0							
	OBS	00211	09.73	35.100	27.10		1493.0							
	OBS	00215	10.07	35.200	27.12		1494.4							
	OBS	00226	10.02	35.180	27.11		1494.4							
	STD	00250	09.39	35.12	27.17	00.328	1492.4							
	OBS	00251	09.36	35.120	27.17		1492.3							
	OBS	00272	08.88	35.100	27.24		1490.8							
	OBS	00289	08.37	34.990	27.23		1489.1							
	STD	00300	07.85	35.00	27.32	00.373	1487.3							
	OBS	00300	07.82	35.000	27.32		1487.2							
	OBS	00304	07.71	34.985	27.33		1486.8							
	OBS	00316	07.03	34.860	27.32		1484.2							
	OBS	00321	06.10	34.740	27.36		1480.4							
	OBS	00323	06.01	34.740	27.37		1480.1							
	OBS	00335	05.31	34.645	27.38		1477.3							
	OBS	00352	05.20	34.650	27.40		1477.2							
	OBS	00386	05.09	34.750	27.49		1477.4							
	OBS	00397	04.41	34.650	27.49		1476.7							
	STD	00400	04.42	34.68	27.51	00.445	1476.8							
	OBS	00407	04.44	34.750	27.56		1475.1							
	OBS	00451	04.49	34.800	27.60		1476.1							
	STD	00500	03.97	34.79	27.64	00.502	1474.7							
	OBS	00500	03.96	34.790	27.65		1474.7							
	OBS	00552	03.61	34.760	27.66		1474.0							
	STD	00600	03.69	34.78	27.67	00.551	1475.1							
	OBS	00601	03.69	34.785	27.67		1475.2							
	OBS	00651	03.79	34.780	27.65		1476.4							
	STD	00700	03.86	34.83	27.69	00.600	1477.6							
	OBS	00702	03.86	34.830	27.69		1477.6							
	OBS	00750	03.90	34.860	27.71		1478.6							
	STD	00800	03.91	34.84	27.69	00.648	1479.5							
	OBS	00803	03.91	34.840	27.69		1479.5							
	OBS	00850	03.86	34.840	27.70		1480.1							
	STD	00900	03.84	34.84	27.70	00.697	1480.9							
	OBS	00900	03.84	34.845	27.70		1480.9							
	OBS	00951	03.84	34.860	27.71		1481.7							
	OBS	00997	03.82	34.870	27.72		1482.4							
	STD	01000	03.81	34.86	27.72	00.745	1482.4							
	OBS	01001	03.80	34.860	27.72		1482.4							
	OBS	01012	03.80	34.860	27.72		1482.6							
	OBS	01026	03.80	34.870	27.73		1482.8							

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REFID 31 8370	YEAR 1974	BOTDP 00921	AIR TEMP 08.8	DIR HGT PER	WIND-DIR 03	INST STD RECORDER	TEN SQ 1307
CONSEC 0095	MONTH 06	SHIP EV	WET BULB 08.6	23 1 2	WIND-SPD 04	TRACE DIR D	5 SQUARE 1
LAT 42 44.5N	DAY 09	DATA USE 1	BAROMETR 1002.4	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 20
LONG 050 18.5W	HOUR 20.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X6	ORIG 011 5850016	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	05.76	32.69	25.78	00.000	1471.1							
20.1	OBS	00003	05.76	32.690	25.78		1471.1							
	OBS	00007	05.76	32.680	25.77		1471.2							
	STD	00010	05.73	32.68	25.78	00.022	1471.1							
	OBS	00011	05.71	32.680	25.78		1471.0							
	STD	00020	05.54	32.71	25.82	00.044	1470.5							
	OBS	00020	05.53	32.710	25.82		1470.5							
	OBS	00022	05.50	32.710	25.83		1470.4							
	OBS	00024	05.60	32.900	25.97		1471.1							
	OBS	00028	07.34	33.410	26.14		1478.8							
	STD	00030	07.43	33.45	26.16	00.065	1479.2							
	OBS	00030	07.47	33.460	26.16		1479.4							
	OBS	00034	07.89	33.600	26.21		1481.2							
	OBS	00036	06.73	33.400	26.22		1476.5							
	OBS	00038	06.23	33.560	26.41		1474.7							
	OBS	00041	06.02	33.700	26.55		1474.1							
	OBS	00049	10.61	34.720	26.65		1493.0							
	STD	00050	10.74	34.76	26.66	00.097	1493.6							
	OBS	00053	11.15	34.910	26.70		1495.3							
	OBS	00057	10.74	34.820	26.70		1493.8							
	OBS	00064	12.00	35.140	26.72		1498.7							
	OBS	00070	12.14	35.210	26.74		1499.4							
	STD	00075	12.39	35.27	26.74	00.132	1500.4							
	OBS	00076	12.44	35.280	26.74		1500.6							
	STD	00100	12.57	35.36	26.77	00.165	1501.5							
	OBS	00100	12.57	35.360	26.78		1501.5							
	OBS	00102	12.44	35.330	26.78		1501.1							
	OBS	00106	12.04	35.230	26.78		1499.6							
	OBS	00112	11.59	35.140	26.79		1498.1							
	OBS	00118	11.63	35.210	26.84		1498.4							
	OBS	00121	12.29	35.420	26.88		1501.0							
	STD	00125	12.27	35.41	26.88	00.196	1500.9							
	OBS	00125	12.26	35.410	26.88		1500.9							
	OBS	00135	12.14	35.370	26.87		1500.6							
	STD	00150	11.30	35.25	26.94	00.226	1497.8							
	OBS	00150	11.28	35.250	26.94		1497.7							
	OBS	00175	10.30	35.150	27.04		1494.5							
	OBS	00192	10.26	35.170	27.06		1494.7							
	OBS	00198	09.44	34.990	27.06		1491.6							
	STD	00200	09.04	34.91	27.06	00.281	1490.0							
	OBS	00201	C8.80	34.860	27.06		1489.1							
	OBS	00207	08.79	34.890	27.09		1489.2							
	OBS	00211	07.99	34.730	27.08		1486.0							
	OBS	00218	07.91	34.740	27.10		1485.8							
	OBS	00220	07.66	34.700	27.11		1484.8							
	OBS	00224	08.22	34.830	27.13		1487.2							
	OBS	00226	08.17	34.830	27.13		1487.1							
	OBS	00237	08.22	34.830	27.13		1487.4							
	OBS	00247	05.69	34.390	27.13		1477.1							
	STD	00250	05.35	34.35	27.14	00.332	1475.7							
	OBS	00255	04.82	34.290	27.16		1473.5							
	OBS	00270	04.51	34.340	27.23		1472.5							
	OBS	00272	04.21	34.350	27.27		1471.3							
	OBS	00274	04.19	34.460	27.36		1471.4							
	OBS	00281	03.34	34.430	27.42		1467.9							
	OBS	00289	04.10	34.520	27.42		1471.4							
	OBS	00295	04.22	34.550	27.43		1472.0							
	STD	00300	03.96	34.55	27.45	00.373	1471.0							
	OBS	00300	03.95	34.550	27.46		1471.0							
	OBS	00308	04.40	34.680	27.51		1473.2							
	OBS	00335	04.51	34.770	27.57		1474.2							
	OBS	00350	03.99	34.710	27.58		1472.2							
	OBS	00356	03.92	34.690	27.57		1472.0							
	STD	00400	03.67	34.72	27.62	00.432	1471.7							
	OBS	00403	03.66	34.720	27.62		1471.7							
	OBS	00451	03.62	34.740	27.64		1472.3							
	STD	00500	03.65	34.76	27.65	00.482	1473.3							
	OBS	00500	03.65	34.760	27.65		1473.3							
	OBS	00550	03.64	34.760	27.65		1474.1							
	STD	00600	03.72	34.79	27.67	00.531	1475.3							
	OBS	00601	03.72	34.790	27.67		1475.3							
	OBS	00651	03.85	34.810	27.67		1476.7							
	STD	00700	03.94	34.83	27.68	00.580	1477.9							
	OBS	00700	03.94	34.830	27.68		1477.9							
	OBS	00750	03.92	34.840	27.69		1478.7							
	STD	00800	03.88	34.85	27.70	00.628	1479.4							
	OBS	00850	03.88	34.850	27.70		1480.2							
	OBS	00892	03.90	34.850	27.70		1481.0							
	STD	00900	03.90	34.85	27.70	00.677	1481.1							
	OBS	00900	03.90	34.850	27.70		1481.1							

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REFID 31 8370	YEAR 1974	BOTDP 00252	AIR TEMP 07.5	DIR HGT PER	WIND-DIR 03	INST STD RECORDER	TEN SQ 1307
CONSEC 0096	MONTH 06	SHIP EV	WET BULB 07.5	23 1 2	WIND-SPD 04	TRACE DIR D	5 SQUARE 1
LAT 42 50.0N	DAY 09	DATA USE 1	BAROMETR 1000.0	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 20
LONG 050 17.0W	HOUR 22.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X5	ORIG 011 5860019	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	05.29	32.51	25.69	00.000	1468.9							
22.0	OBS	00005	05.29	32.510	25.69		1469.0							
	STD	00010	05.26	32.56	25.73	00.023	1469.0							
	OBS	00011	05.24	32.570	25.75		1468.9							
	STD	00020	05.06	32.64	25.83	00.045	1468.4							
	OBS	00020	05.03	32.650	25.83		1468.3							
	STD	00030	04.75	32.71	25.91	00.067	1467.4							
	OBS	00032	04.58	32.730	25.95		1466.8							
	OBS	00034	04.42	32.720	25.95		1466.1							
	OBS	00036	04.02	32.830	26.08		1464.6							
	OBS	00045	03.18	33.020	26.31		1461.4							
	OBS	00049	03.42	33.040	26.31		1462.6							
	STD	00050	04.14	33.16	26.33	00.105	1465.8							
	OBS	00051	05.85	33.450	26.37		1473.3							
	OBS	00055	08.09	33.860	26.35		1482.7							
	OBS	00068	09.27	34.230	26.49		1487.8							
	STD	00075	08.89	34.17	26.50	00.145	1486.5							
	OBS	00076	08.84	34.160	26.51		1486.3							
	OBS	00085	08.47	34.160	26.56		1485.0							
	OBS	00091	05.76	33.680	26.56		1473.9							
	OBS	00093	05.26	33.600	26.56		1471.7							
	OBS	00095	04.46	33.530	26.59		1468.4							
	OBS	00097	04.20	33.540	26.63		1467.3							
	STD	00100	03.47	33.56	26.72	00.182	1464.3							
	OBS	00100	03.19	33.580	26.76		1463.2							
	OBS	00102	02.52	33.640	26.86		1460.4							
	OBS	00108	02.38	33.740	26.96		1460.0							
	OBS	00123	03.78	33.930	26.98		1466.5							
	STD	00125	04.13	33.98	26.99	00.212	1468.1							
	OBS	00139	05.48	34.180	26.99		1474.2							
	OBS	00142	05.07	34.110	26.98		1472.5							
	OBS	00146	04.05	33.970	26.98		1468.1							
	STD	00150	03.72	33.99	27.04	00.239	1466.8							
	OBS	00150	03.71	34.000	27.04		1466.8							
	OBS	00152	03.72	34.040	27.07		1466.9							
	OBS	00156	04.37	34.130	27.08		1469.8							
	OBS	00159	04.13	34.090	27.07		1468.8							
	OBS	00175	04.39	34.210	27.14		1470.3							
	OBS	00177	04.08	34.170	27.14		1469.0							
	OBS	00186	04.20	34.250	27.19		1469.8							
	OBS	00188	03.83	34.200	27.19		1468.2							
	OBS	00198	03.45	34.170	27.20		1466.7							
	STD	00200	02.73	34.08	27.20	00.287	1463.5							
	OBS	00201	02.34	34.080	27.23		1461.8							
	OBS	00203	02.20	34.150	27.30		1461.3							
	OBS	00205	02.22	34.140	27.29		1461.4							
	OBS	00211	02.76	34.220	27.31		1464.0							
	OBS	00228	02.93	34.260	27.32		1465.1							
	OBS	00234	02.91	34.260	27.32		1465.1							

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REFID 31 8370	YEAR 1974	BOTDP 00126	AIR TEMP 06.5	DIR HGT PER	WIND-DIR 29	INST STD RECORDER	TEN SQ 1307
CONSEC 0097	MONTH 06	SHIP EV	WET BULB 06.4	34 2 3	WIND-SPD 12	TRACE DIR D	5 SQUARE 1
LAT 42 55.4N	DAY 09	DATA USE 1	BAROMETR 1000.1	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 20
LONG 050 18.0W	HOUR 23.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 587	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	05.17	32.60	25.78	00.000	1468.5							
23.0	OBS	00005	05.17	32.600	25.78		1468.6							
	STD	00010	05.15	32.65	25.82	00.022	1468.7							
	OBS	00011	05.14	32.660	25.83		1468.7							
	STD	00020	05.04	32.66	25.84	00.044	1468.4							
	OBS	00022	04.94	32.660	25.85		1468.0							
	STD	00030	04.55	32.69	25.92	00.065	1466.6							
	OBS	00030	04.52	32.690	25.92		1466.4							
	OBS	00034	04.25	32.690	25.95		1465.4							
	OBS	00038	03.10	32.690	26.06		1460.5							
	OBS	00049	01.71	32.960	26.38		1455.0							
	STD	00050	01.42	32.96	26.40	00.103	1453.7							
	OBS	00051	00.74	32.970	26.45		1450.7							
	OBS	00059	00.44	33.050	26.53		1449.6							
	OBS	00064	- 0.29	33.030	26.55		1446.3							
	STD	00075	- 1.02	33.14	26.67	00.140	1443.2							
	OBS	00076	- 1.06	33.150	26.68		1443.1							
	OBS	00081	- 1.17	33.210	26.73		1442.7							
	OBS	00085	- 0.95	33.300	26.80		1443.9							
	OBS	00089	00.37	33.380	26.80		1450.2							
	OBS	00091	00.41	33.400	26.82		1450.4							
	OBS	00097	00.93	33.430	26.81		1452.9							
	STD	00100	00.96	33.45	26.83	00.173	1453.1							
	OBS	00100	00.98	33.460	26.83		1453.3							
	OBS	00106	01.23	33.560	26.90		1454.6							
	OBS	00110	03.01	33.830	26.97		1462.9							
	OBS	00118	02.92	33.820	26.97		1462.6							
	STD	00125	03.01	33.83	26.97	00.202	1463.1							
	OBS	00125	03.01	33.830	26.97		1463.1							

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REFID 31 8370 YEAR 1974 BOTDP 00077 AIR TEMP 07.8 DIR HGT PER WIND-DIR 26 INST STD RECORDER TEN SQ 1307
CONSEC 0098 MONTH 06 SHIP EV WET BULB 07.2 21 1 2 WIND-SPD 16 TRACE DIR D 5 SQUARE 1
LAT 43 04.5N DAY 10 DATA USE 1 BAROMETR 1000.3 SEA WIND-FOR DURATION 00.1 2 SQUARE 20
LONG 050 20.0W HOUR 00.3 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 588 1 SQUARE 30

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	05.25	32.43	25.64	00.000	1468.6							
00.3	OBS	00001	05.25	32.430	25.64		1468.6							
	STD	00010	05.19	32.45	25.66	00.024	1468.5							
	OBS	00011	05.17	32.450	25.66		1468.5							
	STD	00020	05.03	32.47	25.69	00.047	1468.1							
	OBS	00020	05.02	32.470	25.69		1468.1							
	STD	00030	04.91	32.49	25.72	00.070	1467.8							
	OBS	00030	04.90	32.490	25.72		1467.8							
	OBS	00034	04.83	32.500	25.74		1467.5							
	OBS	00036	04.57	32.510	25.77		1466.5							
	OBS	00040	03.83	32.660	25.97		1463.6							
	OBS	00041	03.74	32.690	26.00		1463.3							
	OBS	00047	03.18	32.710	26.07		1461.1							
	OBS	00049	02.85	32.720	26.10		1459.7							
	STD	00050	02.57	32.72	26.13	00.112	1458.5							
	OBS	00051	01.86	32.750	26.20		1455.4							
	OBS	00053	01.08	32.830	26.32		1452.1							
	OBS	00064	00.11	32.990	26.50		1448.1							
	OBS	00071	00.90	33.050	26.51		1451.8							
	STD	00075	00.93	33.10	26.55	00.154	1452.1							
	OBS	00075	00.93	33.100	26.55		1452.1							

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REFID 31 8370 YEAR 1974 BOTDP 00071 AIR TEMP 06.4 DIR HGT PER WIND-DIR 27 INST STD RECORDER TEN SQ 1307
CONSEC 0099 MONTH 06 SHIP EV WET BULB 06.2 21 1 2 WIND-SPD 18 TRACE DIR D 5 SQUARE 1
LAT 43 15.0N DAY 10 DATA USE 1 BAROMETR 1001.0 SEA WIND-FOR DURATION 00.1 2 SQUARE 20
LONG 050 22.3W HOUR 01.8 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 589 1 SQUARE 30

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	05.12	32.36	25.59	00.000	1468.0							
01.8	OBS	00001	05.12	32.360	25.59		1468.0							
	STD	00010	05.07	32.34	25.59	00.024	1467.9							
	OBS	00011	05.05	32.340	25.59		1467.9							
	STD	00020	04.80	32.37	25.64	00.048	1467.0							
	OBS	00020	04.78	32.370	25.64		1466.9							
	STD	00030	04.76	32.41	25.67	00.071	1467.1							
	OBS	00030	04.74	32.420	25.68		1467.0							
	OBS	00034	04.53	32.510	25.78		1466.3							
	OBS	00036	04.09	32.440	25.77		1464.4							
	OBS	00038	03.38	32.510	25.89		1461.5							
	OBS	00041	02.42	32.650	26.08		1457.6							
	STD	00050	01.56	32.74	26.22	00.113	1454.1							
	OBS	00051	01.44	32.760	26.24		1453.6							
	OBS	00059	00.90	32.870	26.36		1451.4							

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REFID 31 8370 YEAR 1974 BOTDP 00115 AIR TEMP 05.0 DIR HGT PER WIND-DIR 28 INST STD RECORDER TEN SQ 1306
CONSEC 0100 MONTH 06 SHIP EV WET BULB 04.1 28 2 2 WIND-SPD 13 TRACE DIR D 5 SQUARE 2
LAT 43 24.5N DAY 10 DATA USE 1 BAROMETR 1002.5 SEA WIND-FOR DURATION 00.1 2 SQUARE 28
LONG 049 27.3W HOUR 05.8 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 590 1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.90	32.67	25.97	00.000	1463.3							
05.8	OBS	00003	03.90	32.670	25.97		1463.4							
	STD	00010	03.90	32.67	25.97	00.020	1463.5							
	OBS	00011	03.90	32.670	25.97		1463.5							
	OBS	00017	03.75	32.650	25.97		1462.9							
	OBS	00019	03.42	32.670	26.01		1461.6							
	STD	00020	03.38	32.70	26.04	00.041	1461.5							
	OBS	00020	03.33	32.710	26.05		1461.3							
	OBS	00022	03.16	32.710	26.07		1460.6							
	OBS	00024	02.74	32.700	26.10		1458.8							
	STD	00030	02.31	32.77	26.18	00.060	1457.1							
	OBS	00030	02.28	32.770	26.19		1456.9							
	OBS	00034	02.12	32.780	26.21		1456.3							
	OBS	00036	01.45	32.770	26.25		1453.4							
	OBS	00041	01.00	32.870	26.36		1451.6							
	OBS	00043	00.62	32.880	26.39		1449.9							
	STD	00050	00.35	32.96	26.46	00.094	1448.9							
	OBS	00051	00.30	32.970	26.48		1448.7							
	STD	00075	- 0.28	33.06	26.57	00.132	1446.5							
	OBS	00076	- 0.31	33.060	26.58		1446.4							
	OBS	00099	- 0.93	33.140	26.67		1444.0							
	STD	00100	- 0.97	33.16	26.68	00.167	1443.9							
	OBS	00100	- 0.99	33.170	26.69		1443.8							
	OBS	00102	- 1.01	33.180	26.70		1443.8							

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REFID 31 8370	YEAR 1974	BOTDP 00219	AIR TEMP 05.0	DIR HGT PER	WIND-DIR 28	INST STD RECORDER	TEN SQ 1306
CONSEC 0101	MONTH 06	SHIP EV	WET BULB 04.1	28 2 2	WIND-SPD 13	TRACE DIR D	5 SQUARE 2
LAT 43 23.0N	DAY 10	DATA USE 1	BAROMETR 1002.5	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 28
LONG 049 24.5W	HOUR 06.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 591	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.69	32.74	26.04	00.000	1462.5							
06.8	OBS	00001	03.69	32.740	26.04		1462.5							
	STD	00010	03.69	32.73	26.04	00.020	1462.7							
	OBS	00011	03.69	32.730	26.04		1462.7							
	STD	00020	03.65	32.74	26.05	00.040	1462.7							
	OBS	00020	03.65	32.740	26.05		1462.7							
	OBS	00026	03.62	32.730	26.04		1462.6							
	STD	00030	03.32	32.69	26.04	00.059	1461.3							
	OBS	00030	03.28	32.690	26.04		1461.2							
	OBS	00040	02.81	32.730	26.11		1459.4							
	OBS	00041	02.33	32.690	26.12		1457.2							
	OBS	00043	01.63	32.840	26.29		1454.4							
	STD	00050	01.58	32.86	26.31	00.096	1454.3							
	OBS	00051	01.54	32.870	26.32		1454.1							
	OBS	00055	01.39	32.900	26.36		1453.6							
	OBS	00060	00.56	32.940	26.44		1450.0							
	OBS	00064	00.43	32.960	26.46		1449.5							
	OBS	00068	- 0.16	32.970	26.50		1446.9							
	OBS	00072	- 0.56	33.030	26.56		1445.2							
	STD	00075	- 0.76	33.07	26.61	00.136	1444.3							
	OBS	00076	- 0.84	33.090	26.62		1444.0							
	STD	00100	- 1.32	33.18	26.71	00.170	1442.3							
	OBS	00100	- 1.33	33.180	26.71		1442.2							
	STD	00125	- 1.44	33.26	26.78	00.203	1442.2							
	OBS	00125	- 1.44	33.260	26.78		1442.2							
	STD	00150	- 0.96	33.44	26.91	00.233	1445.1							
	OBS	00150	- 0.96	33.440	26.91		1445.2							
	OBS	00154	- 0.97	33.470	26.93		1445.2							
	OBS	00158	- 0.63	33.590	27.02		1447.0							
	OBS	00163	- 0.22	33.610	27.02		1449.0							
	OBS	00165	- 0.14	33.620	27.02		1449.5							
	OBS	00171	- 0.52	33.580	27.01		1447.7							
	OBS	00178	- 0.31	33.680	27.08		1449.0							
	OBS	00196	00.21	33.750	27.11		1451.8							
	OBS	00199	00.65	33.800	27.12		1453.9							
	STD	00200	00.65	33.80	27.13	00.286	1453.9							
	OBS	00203	00.75	33.860	27.17		1454.5							
	OBS	00207	01.23	33.910	27.18		1456.8							

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REFID 31 8370	YEAR 1974	BOTDP 00810	AIR TEMP 04.5	DIR HGT PER	WIND-DIR 29	INST STD RECORDER	TEN SQ 1306
CONSEC 0102	MONTH 06	SHIP EV	WET BULB 03.5	29 2 2	WIND-SPD 15	TRACE DIR D	5 SQUARE 2
LAT 43 18.5N	DAY 10	DATA USE 1	BAROMETR 1004.5	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 28
LONG 049 20.0W	HOUR 07.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 5920016	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.66	32.75	26.05	00.000	1462.4							
07.9	OBS	00003	03.66	32.750	26.05		1462.4							
	STD	00010	03.68	32.75	26.05	0C.020	1462.6							
	OBS	00011	03.68	32.750	26.05		1462.7							
	OBS	00017	03.67	32.750	26.05		1462.7							
	OBS	00019	03.49	32.730	26.05		1461.9							
	STD	00020	03.41	32.75	26.07	00.039	1461.6							
	OBS	00020	03.34	32.760	26.09		1461.4							
	STD	00030	02.82	32.84	26.20	00.058	1459.4							
	OBS	00030	02.76	32.840	26.21		1459.1							
	OBS	00034	02.17	32.840	26.25		1456.6							
	OBS	00038	01.86	32.870	26.30		1455.4							
	OBS	00041	01.08	32.840	26.33		1451.9							
	OBS	00049	00.43	32.990	26.49		1449.3							
	STD	00050	00.20	32.99	26.50	00.092	1448.2							
	OBS	00051	- 0.38	32.990	26.52		1445.6							
	OBS	00060	- 1.16	33.150	26.68		1442.3							
	STD	00075	- 1.42	33.20	26.73	00.128	1441.4							
	OBS	00076	- 1.43	33.200	26.73		1441.4							
	OBS	00087	- 1.52	33.250	26.77		1441.2							
	STD	00100	- 1.51	33.27	26.79	00.160	1441.5							
	OBS	00100	- 1.51	33.27C	26.79		1441.5							
	STD	00125	- 1.42	33.33	26.83	00.191	1442.4							
	OBS	00125	- 1.42	33.330	26.83		1442.4							
	STD	00150	- 1.22	33.40	26.88	00.221	1443.9							
	OBS	00150	- 1.22	33.400	26.89		1443.9							
	OBS	00175	- C.99	33.470	26.93		1445.5							
	STD	00200	- 0.51	33.64	27.05	00.275	1448.3							
	OBS	00201	- 0.45	33.670	27.08		1448.7							
	OBS	00207	- 0.23	33.800	27.17		1450.0							
	OBS	00209	00.11	33.890	27.23		1451.7							
	OBS	00211	00.75	33.960	27.25		1454.7							
	OBS	00228	01.00	34.000	27.26		1456.2							
	STD	00250	01.91	34.13	27.31	00.320	1460.8							
	OBS	00264	02.49	34.260	27.36		1463.7							
	OBS	00276	02.92	34.380	27.42		1466.0							
	OBS	00279	02.93	34.390	27.43		1466.1							
	OBS	00285	02.67	34.370	27.43		1465.0							
	OBS	00289	02.99	34.410	27.44		1466.5							
	OBS	00295	02.72	34.410	27.46		1465.5							
	STD	00300	02.40	34.42	27.50	00.355	1464.2							
	OBS	00302	02.25	34.430	27.52		1463.6							
	OBS	00350	03.15	34.650	27.61		1468.5							
	OBS	00399	03.45	34.710	27.63		1470.7							
	STD	00400	03.45	34.71	27.63	00.411	1470.7							
	OBS	00401	03.47	34.710	27.63		1470.8							
	OBS	00451	03.63	34.760	27.65		1472.4							
	STD	00500	03.69	34.78	27.66	00.460	1473.5							
	OBS	00500	03.69	34.780	27.66		1473.5							
	OBS	00552	03.76	34.810	27.68		1474.7							
	STD	00600	03.79	34.81	27.68	00.508	1475.6							
	OBS	00603	03.79	34.810	27.68		1475.7							
	OBS	00651	03.81	34.830	27.69		1476.6							
	STD	00700	03.82	34.84	27.70	00.555	1477.4							
	OBS	00750	03.83	34.850	27.71		1478.3							
	OBS	00759	03.81	34.850	27.71		1478.4							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID 31 8370 | YEAR 1974 | BOTDP 01244 | AIR TEMP 04.0 | DIR HGT PER | WIND-DIR 28 | INST STD RECORDER | TEN SQ 1306
CONSEC 0103 | MONTH 06 | SHIP EV | WET BULB 03.5 | 27 4 3 | WIND-SPD 10 | TRACE DIR D | 5 SQUARE 2
LAT 43 14.0N | DAY 10 | DATA USE 1 | BAROMETR 1004.5 | SEA | WIND-FOR | DURATION 00.4 | 2 SQUARE 28
LONG 049 14.4W | HOUR 09.5 | AREA 05 | CLCUD T/A | CL/TR | WEATHER X2 | ORIG 011 593 | 1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.45	32.79	26.11	00.000	1461.5							
09.5	OBS	00001	03.45	32.790	26.11		1461.6							
	STD	00010	03.44	32.80	26.11	00.019	1461.7							
	OBS	00011	03.44	32.800	26.11		1461.7							
	OBS	00017	03.35	32.790	26.11		1461.4							
	STD	00020	01.96	32.81	26.24	00.038	1455.4							
	OBS	00020	01.65	32.820	26.28		1454.1							
	OBS	00026	00.98	32.930	26.41		1451.3							
	STD	00030	00.52	33.00	26.49	00.054	1449.4							
	OBS	00032	00.25	33.040	26.54		1448.2							
	OBS	00034	00.07	33.060	26.56		1447.5							
	OBS	00040	00.02	33.040	26.55		1447.3							
	STD	00050	01.01	33.13	26.57	00.085	1452.1							
	OBS	00053	01.24	33.160	26.57		1453.2							
	STD	00075	01.51	33.29	26.66	00.120	1455.0							
	OBS	00076	01.52	33.300	26.67		1455.1							
	STD	00100	01.41	33.37	26.73	00.154	1455.1							
	OBS	00102	01.38	33.380	26.74		1455.0							
	STD	00125	00.93	33.54	26.90	00.185	1453.5							
	OBS	00125	00.92	33.540	26.90		1453.5							
	STD	00150	00.67	33.61	26.97	00.214	1452.9							
	OBS	00150	00.66	33.610	26.97		1452.8							
	OBS	00171	00.32	33.700	27.06		1451.8							
	OBS	00175	00.34	33.700	27.06		1451.9							
	STD	00200	00.04	33.86	27.20	00.263	1451.2							
	OBS	00203	00.00	33.890	27.23		1451.1							
	OBS	00218	00.68	34.050	27.32		1454.7							
	OBS	00226	01.00	34.070	27.32		1456.3							
	STD	00250	01.22	34.20	27.41	00.302	1457.8							
	OBS	00251	01.24	34.210	27.42		1458.0							
	OBS	00268	01.66	34.300	27.46		1460.2							
	OBS	00276	01.99	34.380	27.50		1461.9							
	STD	00300	02.08	34.44	27.54	00.333	1462.8							
	OBS	00300	02.09	34.440	27.54		1462.8							
	OBS	00352	02.74	34.590	27.60		1466.7							
	STD	00400	02.97	34.65	27.63	00.387	1468.6							
	OBS	00401	02.98	34.650	27.63		1468.7							
	OBS	00451	03.38	34.730	27.66		1471.3							
	STD	00500	03.52	34.77	27.67	00.435	1472.8							
	OBS	00500	03.52	34.770	27.67		1472.8							
	OBS	00552	03.77	34.830	27.70		1474.8							
	STD	00600	03.85	34.84	27.70	00.482	1475.9							
	OBS	00601	03.85	34.840	27.70		1475.9							
	OBS	00652	03.87	34.850	27.70		1476.9							
	STD	00700	03.90	34.87	27.71	00.528	1477.8							
	OBS	00700	03.90	34.870	27.71		1477.8							
	OBS	00750	03.92	34.870	27.71		1478.7							
	STD	00800	03.90	34.87	27.71	00.574	1479.5							
	OBS	00801	03.90	34.870	27.71		1479.5							
	OBS	00850	03.88	34.880	27.72		1480.3							
	STD	00900	03.85	34.89	27.74	00.620	1481.0							
	OBS	00902	03.85	34.890	27.74		1481.0							
	OBS	00953	03.81	34.890	27.74		1481.7							
	STD	01000	03.79	34.89	27.74	00.665	1482.4							
	OBS	01001	03.79	34.890	27.74		1482.4							
	OBS	01026	03.78	34.890	27.74		1482.8							

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REFID 31 8370	YEAR 1974	BOTDP 01097	AIR TEMP 04.2	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CONSEC 0104	MONTH 06	SHIP EV	WET BULB 03.7	27 2 3	WIND-SPD 07	TRACE DIR D	5 SQUARE 2
LAT 43 08.0N	DAY 10	DATA USE 1	BAROMETR 1005.4	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 28
LONG 049 14.2W	HOUR 11.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 5940016	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.25	32.86	26.18	00.000	1460.8							
11.0	OBS	00005	03.25	32.860	26.18		1460.9							
	STD	00010	03.23	32.86	26.18	00.018	1460.9							
	OBS	00011	03.23	32.860	26.18		1460.9							
	OBS	00013	03.09	32.850	26.19		1460.3							
	STD	00020	01.35	32.87	26.34	00.036	1452.8							
	OBS	00020	01.18	32.880	26.35		1452.1							
	STD	00030	00.30	32.97	26.47	00.052	1448.3							
	OBS	00030	00.27	32.970	26.48		1448.2							
	OBS	00032	00.19	32.950	26.47		1447.8							
	OBS	00036	- 1.02	33.090	26.63		1442.5							
	OBS	00040	- 1.26	33.220	26.74		1441.6							
	STD	00050	- 1.39	33.26	26.78	00.081	1441.2							
	OBS	00051	- 1.41	33.270	26.79		1441.2							
	OBS	00066	- 1.53	33.320	26.83		1440.9							
	STD	00075	- 1.48	33.36	26.86	00.112	1441.4							
	OBS	00076	- 1.47	33.360	26.86		1441.4							
	STD	00100	- 1.25	33.46	26.94	00.141	1443.0							
	OBS	00102	- 1.22	33.470	26.94		1443.2							
	STD	00125	- 1.03	33.53	26.98	00.168	1444.6							
	OBS	00125	- 1.02	33.530	26.98		1444.6							
	STD	00150	- 0.73	33.60	27.03	00.195	1446.5							
	OBS	00152	- 0.72	33.610	27.04		1446.5							
	OBS	00156	- 0.72	33.630	27.05		1446.6							
	OBS	00163	- 0.31	33.750	27.13		1448.8							
	OBS	00173	00.07	33.780	27.14		1450.8							
	OBS	00178	00.41	33.830	27.16		1452.5							
	OBS	00182	00.43	33.810	27.15		1452.6							
	OBS	00186	- 0.02	33.810	27.17		1450.6							
	OBS	00190	00.09	33.960	27.28		1451.4							
	OBS	00194	00.37	34.010	27.31		1452.8							
	STD	00200	00.67	34.11	27.37	00.238	1454.4							
	OBS	00201	00.75	34.140	27.39		1454.8							
	OBS	00226	01.34	34.270	27.46		1458.1							
	STD	00250	01.59	34.35	27.50	00.271	1459.7							
	OBS	00251	01.61	34.350	27.50		1459.8							
	OBS	00277	02.00	34.450	27.55		1462.1							
	STD	00300	02.09	34.48	27.57	00.300	1462.9							
	OBS	00302	02.11	34.480	27.57		1463.0							
	OBS	00352	02.52	34.590	27.62		1465.8							
	STD	00400	02.87	34.65	27.64	00.351	1468.2							
	OBS	00401	02.88	34.650	27.64		1468.2							
	OBS	00451	03.26	34.740	27.68		1470.8							
	STD	00500	03.52	34.80	27.69	00.399	1472.8							
	OBS	00502	03.54	34.800	27.70		1472.9							
	OBS	00550	03.87	34.870	27.72		1475.2							
	STD	00600	03.90	34.87	27.71	00.443	1476.2							
	OBS	00601	03.90	34.870	27.71		1476.2							
	OBS	00658	03.91	34.890	27.73		1477.2							
	STD	00700	03.96	34.92	27.75	00.487	1478.1							
	OBS	00702	03.96	34.920	27.75		1478.2							
	OBS	00753	03.90	34.910	27.75		1478.8							
	STD	00800	03.81	34.91	27.76	00.530	1479.2							
	OBS	00801	03.81	34.910	27.76		1479.2							
	OBS	00858	03.79	34.910	27.76		1480.0							
	STD	00900	03.79	34.91	27.76	00.572	1480.7							
	OBS	00900	03.79	34.910	27.76		1480.7							
	OBS	00953	03.79	34.910	27.76		1481.6							
	STD	01000	03.78	34.91	27.76	00.616	1482.4							
	OBS	01001	03.78	34.910	27.76		1482.4							
	OBS	01026	03.76	34.910	27.76		1482.7							

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REFID 31 8370	YEAR 1974	BOTDP 01706	AIR TEMP 05.2	DIR HGT PER	WIND-DIR 01	INST STD RECORDER	TEN SQ 1306
CONSEC 0105	MONTH 06	SHIP EV	WET BULB 04.5	01 3 2	WIND-SPD 08	TRACE DIR D	5 SQUARE 2
LAT 43 02.2N	DAY 10	DATA USE I	BARCMETR 1005.5	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 28
LONG 049 04.8W	HOUR 12.8	AREA 05	CLCUD T/A	CL/TR	WEATHER X2	ORIG 011 595	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.91	32.97	26.30	00.000	1459.5							
12.8	OBS	00000	02.91	32.970	26.30		1459.5							
	STD	00010	02.90	32.98	26.30	00.017	1459.6							
	OBS	00015	02.90	32.980	26.31		1459.7							
	OBS	00019	02.88	32.970	26.30		1459.6							
	STD	00020	02.73	32.99	26.32	00.035	1459.0							
	STD	00030	01.76	33.09	26.48	00.051	1455.1							
	OBS	00030	01.74	33.090	26.48		1455.0							
	OBS	00034	01.65	33.100	26.50		1454.7							
	OBS	00040	00.84	33.210	26.64		1451.3							
	OBS	00049	00.41	33.410	26.82		1449.8							
	STD	00050	00.34	33.40	26.82	00.079	1449.5							
	OBS	00060	- 0.73	33.390	26.86		1444.7							
	OBS	00064	- 0.93	33.480	26.94		1443.9							
	STD	00075	- 0.82	33.57	27.01	00.108	1444.8							
	OBS	00081	- 0.74	33.620	27.05		1445.3							
	STD	00100	- 0.57	33.73	27.13	00.132	1446.6							
	OBS	00100	- 0.54	33.740	27.14		1446.7							
	OBS	00110	- 0.18	33.810	27.18		1448.6							
	STD	00125	00.15	33.91	27.24	00.155	1450.5							
	OBS	00129	00.24	33.940	27.26		1451.1							
	STD	00150	00.56	34.05	27.33	00.175	1453.0							
	OBS	00150	00.57	34.050	27.33		1453.1							
	OBS	00180	00.89	34.140	27.38		1455.1							
	STD	00200	01.05	34.19	27.41	00.210	1456.2							
	OBS	00209	01.17	34.230	27.44		1457.0							
	OBS	00230	01.56	34.350	27.51		1459.2							
	OBS	00249	01.65	34.380	27.52		1460.0							
	STD	00250	01.66	34.38	27.52	00.242	1460.0							
	STD	00300	02.09	34.48	27.57	00.270	1462.9							
	OBS	00302	02.11	34.490	27.58		1463.0							
	OBS	00325	03.49	34.680	27.61		1469.6							
	OBS	00352	04.15	34.820	27.65		1473.0							
	OBS	00375	04.64	34.900	27.66		1475.6							
	OBS	00399	04.67	34.920	27.67		1476.1							
	STD	00400	04.67	34.92	27.67	00.320	1476.1							
	OBS	00449	04.78	34.960	27.69		1477.5							
	STD	00500	04.67	34.96	27.70	00.367	1477.8							
	OBS	00500	04.67	34.960	27.70		1477.8							
	OBS	00550	04.49	34.950	27.72		1477.9							
	OBS	00599	04.46	34.950	27.72		1478.6							
	STD	00600	04.46	34.95	27.72	00.413	1478.6							
	OBS	00649	04.40	34.960	27.73		1479.2							
	STD	00700	04.30	34.95	27.74	00.457	1479.6							
	OBS	00700	04.30	34.950	27.74		1479.6							
	OBS	00751	04.26	34.960	27.75		1480.3							
	OBS	00799	04.13	34.950	27.75		1480.5							
	STD	00800	04.13	34.95	27.75	00.501	1480.6							
	OBS	00852	04.10	34.950	27.76		1481.3							
	STD	00900	04.05	34.95	27.76	00.544	1481.9							
	OBS	00902	04.05	34.950	27.76		1481.9							
	OBS	00949	03.97	34.950	27.77		1482.4							
	STD	01000	03.96	34.95	27.77	00.587	1483.2							
	OBS	01001	03.96	34.950	27.77		1483.2							
	OBS	01020	03.95	34.940	27.77		1483.5							

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REFID 31 8370	YEAR 1974	BOTDP 02983	AIR TEMP 09.0	DIR HGT PER	WIND-DIR 30	INST STD RECORDER	TEN SQ 1306
CONSEC 0106	MONTH 06	SHIP EV	WET BULB 08.5	20 3 2	WIND-SPD 08	TRACE DIR D	5 SQUARE 2
LAT 42 49.3N	DAY 10	DATA USE 1	BAROMETR 1004.8	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 28
LONG 048 55.1W	HOUR 15.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 596	1 SQUARE 28

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	06.50	33.28	26.15	00.000	1474.8							
15.5	OBS	00000	06.50	33.280	26.15		1474.8							
	STD	00010	06.43	33.28	26.16	00.019	1474.7							
	OBS	00015	06.36	33.280	26.17		1474.5							
	OBS	00019	06.30	33.270	26.17		1474.3							
	STD	00020	06.27	33.26	26.17	00.037	1474.2							
	OBS	00024	05.90	33.200	26.17		1472.7							
	STD	00030	05.10	33.14	26.22	00.056	1469.4							
	OBS	00030	04.97	33.140	26.23		1468.9							
	OBS	00034	03.67	33.130	26.36		1463.5							
	STD	00050	01.37	33.30	26.68	00.088	1454.0							
	OBS	00055	00.95	33.420	26.80		1452.3							
	OBS	00060	00.68	33.590	26.95		1451.4							
	OBS	00074	01.21	33.710	27.02		1454.2							
	STD	00075	01.22	33.71	27.02	00.118	1454.3							
	OBS	00079	01.25	33.760	27.05		1454.5							
	OBS	00087	02.06	33.900	27.11		1458.5							
	OBS	00089	02.06	33.910	27.12		1458.5							
	STD	00100	02.22	34.02	27.19	00.142	1459.5							
	OBS	00100	02.24	34.030	27.20		1459.6							
	OBS	00119	02.81	34.230	27.31		1462.7							
	STD	00125	03.27	34.29	27.31	00.163	1464.8							
	STD	00150	04.29	34.48	27.36	00.182	1469.8							
	OBS	00150	04.29	34.480	27.36		1469.8							
	OBS	00159	04.14	34.510	27.40		1469.4							
	OBS	00180	04.32	34.590	27.45		1470.6							
	OBS	00190	04.31	34.600	27.46		1470.8							
	OBS	00199	03.90	34.540	27.45		1469.1							
	STD	00200	03.91	34.54	27.45	00.217	1469.1							
	OBS	00209	04.48	34.690	27.51		1471.9							
	OBS	00232	04.55	34.710	27.52		1472.6							
	STD	00250	04.56	34.75	27.55	00.248	1473.0							
	STD	00300	04.61	34.82	27.60	00.275	1474.1							
	OBS	00304	04.61	34.830	27.61		1474.2							
	OBS	00350	04.51	34.860	27.64		1474.6							
	OBS	00399	04.58	34.920	27.68		1475.8							
	STD	00400	04.58	34.92	27.68	00.325	1475.8							
	OBS	00449	04.56	34.930	27.69		1476.5							
	STD	00500	04.48	34.93	27.70	00.371	1477.0							
	OBS	00502	04.48	34.930	27.70		1477.1							
	OBS	00550	04.40	34.940	27.72		1477.5							
	OBS	00599	04.46	34.950	27.72		1478.6							
	STD	00600	04.46	34.95	27.72	00.417	1478.6							
	OBS	00650	04.31	34.950	27.73		1478.8							
	STD	00700	04.26	34.95	27.74	00.461	1479.4							
	OBS	00700	04.26	34.950	27.74		1479.4							
	OBS	00750	04.15	34.940	27.74		1479.8							
	OBS	00799	04.10	34.940	27.75		1480.4							
	STD	00800	04.10	34.94	27.75	00.505	1480.4							
	OBS	00850	04.03	34.940	27.76		1481.0							
	STD	00900	03.96	34.92	27.75	00.549	1481.5							
	OBS	00900	03.96	34.920	27.75		1481.5							
	OBS	00949	03.92	34.930	27.76		1482.1							
	OBS	00999	03.87	34.930	27.77		1482.8							
	STD	01000	03.87	34.93	27.77	00.593	1482.8							
	OBS	01022	03.87	34.930	27.77		1483.1							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID 31 8370 YEAR 1974 BOTDP 02930 AIR TEMP 11.0 DIR HGT PER WIND-DIR 31 INST STD RECORDER TEN SQ 1306
CONSEC 0107 MONTH 06 SHIP EV WET BULB 10.0 27 3 5 WIND-SPD 05 TRACE DIR D 5 SQUARE 2
LAT 42 36.7N DAY 10 DATA USE 1 BAROMETR 1004.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 28
LONG 048 43.0W HOUR 18.2 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 597 1 SQUARE 28

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.09	32.88	26.12	00.000	1464.4							
18.2	OBS	00003	04.09	32.880	26.12		1464.4							
	OBS	00005	04.08	32.870	26.11		1464.4							
	OBS	00009	04.05	32.890	26.13		1464.4							
	STD	00010	03.82	32.91	26.16	00.019	1463.5							
	OBS	00013	02.71	33.000	26.34		1458.9							
	STD	00020	02.68	33.10	26.42	00.036	1459.0							
	OBS	00020	02.68	33.110	26.43		1459.0							
	OBS	00028	01.17	33.130	26.56		1452.5							
	STD	00030	01.14	33.12	26.55	00.052	1452.3							
	OBS	00030	01.05	33.110	26.55		1451.9							
	OBS	00032	00.37	33.260	26.71		1449.1							
	OBS	00036	00.50	33.410	26.82		1450.0							
	OBS	00041	01.11	33.480	26.84		1452.9							
	OBS	00047	00.70	33.460	26.85		1451.1							
	OBS	00049	00.81	33.520	26.89		1451.7							
	STD	00050	00.89	33.53	26.90	00.078	1452.1							
	OBS	00053	01.23	33.600	26.93		1453.8							
	OBS	00055	01.31	33.620	26.94		1454.2							
	OBS	00059	02.06	33.730	26.97		1457.8							
	OBS	00062	02.36	33.740	26.96		1459.1							
	OBS	00064	02.41	33.750	26.96		1459.4							
	OBS	00068	02.93	33.800	26.96		1461.8							
	OBS	00074	02.96	33.850	26.99		1462.1							
	STD	00075	03.04	33.86	27.00	00.106	1462.4							
	OBS	00078	03.42	33.920	27.01		1464.2							
	OBS	00083	04.62	34.090	27.02		1469.6							
	OBS	00087	04.96	34.150	27.03		1471.2							
	OBS	00089	04.96	34.160	27.04		1471.2							
	OBS	00095	05.33	34.270	27.08		1473.0							
	STD	00100	06.06	34.41	27.10	00.132	1476.2							
	OBS	00104	06.28	34.460	27.11		1477.2							
	OBS	00108	06.11	34.430	27.11		1476.5							
	OBS	00119	05.28	34.280	27.09		1473.2							
	STD	00125	04.68	34.23	27.13	00.156	1470.7							
	OBS	00127	04.52	34.200	27.12		1470.1							
	OBS	00129	04.46	34.170	27.10		1469.8							
	OBS	00131	04.27	34.370	27.28		1469.3							
	OBS	00133	04.71	34.430	27.28		1471.2							
	STD	00150	05.93	34.61	27.27	00.179	1476.7							
	OBS	00150	05.94	34.610	27.27		1476.8							
	OBS	00169	05.28	34.500	27.27		1474.3							
	OBS	00175	04.74	34.420	27.27		1472.0							
	OBS	00177	04.60	34.440	27.30		1471.5							
	OBS	00182	04.87	34.500	27.32		1472.8							
	OBS	00184	04.87	34.490	27.31		1472.8							
	OBS	00190	03.99	34.390	27.32		1469.1							
	OBS	00198	03.60	34.390	27.36		1467.6							
	STD	00200	03.61	34.42	27.38	00.218	1467.7							
	OBS	00201	03.62	34.440	27.40		1467.8							
	OBS	00205	04.13	34.500	27.40		1470.1							
	OBS	00218	04.53	34.620	27.45		1472.2							
	OBS	00226	05.16	34.760	27.49		1475.1							
	OBS	00228	05.25	34.760	27.48		1475.5							
	STD	00250	04.47	34.69	27.51	00.251	1472.5							
	OBS	00276	03.88	34.640	27.53		1470.4							
	OBS	00295	03.69	34.620	27.54		1469.9							
	STD	00300	03.74	34.62	27.53	00.281	1470.2							
	OBS	00300	03.75	34.620	27.53		1470.2							
	OBS	00346	03.90	34.740	27.61		1471.8							
	OBS	00363	03.44	34.720	27.64		1470.1							
	STD	00400	03.49	34.77	27.67	00.333	1471.0							
	OBS	00401	03.50	34.770	27.68		1471.0							
	OBS	00441	03.94	34.820	27.67		1473.6							
	OBS	00447	03.90	34.830	27.68		1473.6							
	OBS	00454	04.08	34.840	27.67		1474.5							
	STD	00500	04.01	34.84	27.68	00.380	1474.9							
	OBS	00500	04.01	34.840	27.68		1474.9							
	OBS	00552	04.03	34.850	27.69		1475.9							
	STD	00600	03.97	34.83	27.68	00.428	1476.4							
	OBS	00601	03.97	34.830	27.68		1476.4							
	OBS	00620	03.96	34.830	27.68		1476.7							
	OBS	00624	03.96	34.830	27.68		1476.8							
	OBS	00628	03.96	34.830	27.68		1476.8							
	OBS	00651	03.94	34.830	27.68		1477.1							
	STD	00700	03.92	34.83	27.68	00.476	1477.9							
	OBS	00702	03.92	34.830	27.68		1477.9							
	OBS	00751	03.88	34.840	27.69		1478.6							
	STD	00800	03.88	34.84	27.69	00.525	1479.4							
	OBS	00801	03.88	34.840	27.69		1479.4							
	OBS	00850	03.83	34.840	27.70		1480.0							
	STD	00900	03.78	34.84	27.70	00.573	1480.6							
	OBS	00900	03.78	34.840	27.70		1480.6							
	OBS	00953	03.78	34.840	27.70		1481.5							
	STD	01000	03.78	34.86	27.72	00.621	1482.3							
	OBS	01001	03.78	34.860	27.72		1482.3							
	OBS	01022	03.79	34.930	27.77		1482.8							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID . 31 8370 YEAR 1974 BOTDP 01829 AIR TEMP 06.0 DIR HGT PER WIND-DIR 32 INST STD RECORDER TEN SQ 1306
CONSEC 0108 MONTH 06 SHIP EV WET BULB 05.2 28 3 3 WIND-SPD 12 TRACE DIR D 5 SQUARE 2
LAT 42 20.9N DAY 10 DATA USE 1 BAROMETR 1007.6 SEA WIND-FOR DURATION 00.3 2 SQUARE 28
LONG 048 25.8W HOUR 21.7 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 598 1 SQUARE 28

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	05.24	32.77	25.91	00.000	1469.0							
	OBS	00000	05.24	32.770	25.91		1469.0							
21.7	STD	00010	05.22	32.84	25.96	00.021	1469.2							
	OBS	00015	04.96	32.880	26.02		1468.3							
	OBS	00019	04.66	32.820	26.01		1467.0							
	STD	00020	04.46	32.89	26.09	00.041	1466.3							
	OBS	00024	04.40	33.250	26.38		1466.6							
	STD	00030	07.22	33.76	26.43	00.058	1478.8							
	OBS	00034	06.70	34.050	26.44		1484.9							
	OBS	00049	08.06	34.160	26.63		1482.9							
	STD	00050	07.94	34.17	26.65	00.089	1482.4							
	OBS	00059	06.18	34.220	26.94		1475.7							
	STD	00075	04.93	34.04	26.95	00.120	1470.7							
	OBS	00076	04.88	34.030	26.94		1470.5							
	OBS	00081	04.71	34.110	27.02		1470.0							
	OBS	00089	04.17	34.150	27.11		1467.9							
	STD	00100	04.63	34.32	27.20	00.146	1470.2							
	STD	00125	05.72	34.53	27.24	00.167	1475.4							
	OBS	00140	06.42	34.530	27.15 *		1478.5							
	STD	00150	05.98	34.48	27.17	00.190	1476.8							
	OBS	00150	05.96	34.480	27.17		1476.7							
	OBS	00159	07.97	34.840	27.17		1485.2							
	OBS	00169	07.97	34.830	27.17		1485.4							
	OBS	00180	07.27	34.760	27.21		1482.8							
	STD	00200	08.02	34.95	27.25	00.235	1486.2							
	OBS	00201	08.09	34.970	27.26		1486.5							
	OBS	00220	05.71	34.610	27.30		1477.0							
	OBS	00239	04.01	34.410	27.34		1470.0							
	STD	00250	03.34	34.40	27.40	00.274	1467.4							
	OBS	00274	03.06	34.380	27.41		1466.5							
	STD	00300	04.85	34.61	27.41	00.309	1474.8							
	OBS	00300	04.87	34.620	27.41		1474.9							
	OBS	00325	04.73	34.740	27.52		1474.9							
	OBS	00350	06.21	34.980	27.53		1481.7							
	OBS	00375	05.91	34.980	27.57		1480.9							
	STD	00400	05.44	34.89	27.56	00.375	1479.2							
	OBS	00449	04.98	34.840	27.57		1478.1							
	STD	00500	05.19	34.97	27.65	00.430	1480.0							
	OBS	00502	05.19	34.970	27.65		1480.0							
	OBS	00552	05.17	34.980	27.66		1480.8							
	OBS	00599	04.92	34.960	27.67		1480.5							
	STD	00600	04.92	34.96	27.67	00.480	1480.5							
	OBS	00649	04.83	34.970	27.69		1481.0							
	STD	00700	04.81	34.97	27.70	00.530	1481.7							
	OBS	00750	04.73	34.970	27.70		1482.2							
	OBS	00799	04.60	34.970	27.72		1482.5							
	STD	00800	04.60	34.97	27.72	00.578	1482.5							
	OBS	00850	04.48	34.960	27.72		1482.9							
	STD	00900	04.35	34.96	27.74	00.625	1483.2							
	OBS	00900	04.35	34.960	27.74		1483.2							
	OBS	00949	04.24	34.960	27.75		1483.5							
	STD	01000	04.15	34.95	27.75	00.671	1484.0							
	OBS	01001	04.15	34.950	27.75		1484.0							
	OBS	01020	04.13	34.950	27.75		1484.2							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID 31 8370	YEAR 1974	BOTDP 03568	AIR TEMP 10.6	DIR HGT PER	WIND-DIR 32	INST STD RECORDER	TEN SQ 1306
CONSEC 0109	MONTH 06	SHIP EV	WET BULB 10.4	27 3 2	WIND-SPD 12	TRACE DIR 0	5 SQUARE 2
LAT 42 04.3N	DAY 17	DATA USE 1	BAROMETR 1008.1	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 28
LONG 048 12.2W	HOUR 23.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 599	1 SQUARE 28

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	08.44	33.11	25.75	00.000	1482.2							
23.8	OBS	00001	08.44	33.114	25.75		1482.2							
	STD	00010	08.51	33.15	25.77	00.022	1482.6							
	OBS	00011	08.52	33.155	25.77		1482.7							
	OBS	00013	C8.80	33.325	25.86		1484.0							
	OBS	00017	09.32	33.477	25.90		1486.2							
	OBS	00019	09.53	33.677	26.02		1487.3							
	STD	00020	10.34	34.12	26.22	00.043	1490.8							
	OBS	00020	10.98	34.440	26.36		1493.5							
	OBS	00024	12.80	35.050	26.49		1500.7							
	OBS	00026	14.14	35.520	26.58		1505.7							
	STD	00030	14.15	35.53	26.58	00.059	1505.8							
	OBS	00030	14.15	35.530	26.58		1505.8							
	OBS	00032	14.02	35.525	26.61		1505.4							
	OBS	00038	14.08	35.570	26.63		1505.8							
	OBS	00041	14.33	35.667	26.65		1506.8							
	STD	00050	14.14	35.66	26.68	00.088	1506.3							
	OBS	00051	14.05	35.659	26.70		1506.0							
	OBS	00053	13.90	35.635	26.72		1505.5							
	OBS	00055	13.90	35.640	26.72		1505.5							
	OBS	00062	12.95	35.435	26.76		1502.3							
	OBS	00068	12.62	35.330	26.74		1501.1							
	STD	00075	12.92	35.47	26.79	00.121	1502.4							
	OBS	00078	13.00	35.517	26.81		1502.8							
	OBS	00099	12.68	35.450	26.82		1502.0							
	STD	00100	12.50	35.40	26.82	00.153	1501.3							
	OBS	00102	11.87	35.245	26.82		1499.0							
	OBS	00112	08.20	34.480	26.86		1484.9							
	OBS	00118	08.18	34.605	26.96		1485.0							
	OBS	00121	06.54	34.295	26.95		1478.3							
	STD	00125	06.75	34.35	26.97	00.183	1479.2							
	OBS	00127	06.84	34.380	26.97		1479.7							
	OBS	00133	06.84	34.380	26.97		1479.8							
	OBS	00137	06.25	34.270	26.97		1477.4							
	OBS	00142	04.48	34.037	26.99		1469.9							
	STD	00150	04.48	34.08	27.03	00.210	1470.1							
	OBS	00150	04.48	34.090	27.03		1470.1							
	OBS	00152	04.99	34.150	27.02		1472.3							
	OBS	00156	05.07	34.150	27.02		1472.7							
	OBS	00158	05.84	34.300	27.04		1476.1							
	OBS	00161	07.05	34.510	27.05		1481.3							
	OBS	00173	06.96	34.495	27.05		1481.1							
	OBS	00175	07.20	34.573	27.08		1482.1							
	OBS	00178	07.44	34.640	27.09		1483.2							
	OBS	00184	08.09	34.770	27.10		1486.0							
	OBS	00188	08.40	34.860	27.12		1487.4							
	OBS	00190	08.42	34.850	27.11		1487.5							
	OBS	00196	08.17	34.815	27.12		1486.5							
	OBS	00198	08.47	34.850	27.10		1487.8							
	STD	00200	08.42	34.84	27.11	00.261	1487.6							
	OBS	00207	08.31	34.830	27.11		1487.3							
	OBS	00237	09.28	35.040	27.12		1491.7							
	STD	00250	08.74	34.97	27.16	00.311	1489.8							
	OBS	00251	C8.70	34.970	27.16		1489.7							
	OBS	00270	08.52	34.990	27.21		1489.3							
	OBS	00272	08.25	34.960	27.22		1488.3							
	OBS	00274	08.25	34.960	27.22		1488.3							
	OBS	00291	05.51	34.500	27.24		1477.2							
	STD	00300	05.42	34.49	27.24	00.357	1477.0							
	OBS	00300	05.41	34.487	27.24		1477.0							
	OBS	00312	05.39	34.480	27.24		1477.0							
	OBS	00317	06.45	34.750	27.32		1481.8							
	OBS	00327	06.34	34.735	27.32		1481.5							
	OBS	00333	05.48	34.620	27.34		1477.9							
	OBS	00350	04.99	34.537	27.33		1476.1							
	OBS	00367	05.28	34.620	27.36		1477.7							
	OBS	00382	02.80	34.295	27.36		1467.1							
	OBS	00394	02.52	34.300	27.39		1466.1							
	STD	00400	03.16	34.40	27.41	00.435	1469.1							
	OBS	00401	03.24	34.420	27.42		1469.5							
	OBS	00403	03.28	34.440	27.43		1469.7							
	OBS	00405	03.72	34.510	27.45		1471.7							
	OBS	00407	03.75	34.505	27.44		1471.8							
	OBS	00415	04.53	34.625	27.45		1475.4							
	OBS	00420	04.65	34.640	27.45		1476.0							
	OBS	00422	05.12	34.760	27.49		1478.1							
	OBS	00424	05.23	34.760	27.48		1478.6							
	OBS	00428	05.65	34.840	27.49		1480.5							
	OBS	00439	05.89	34.895	27.50		1481.7							
	OBS	00454	05.62	34.850	27.50		1480.8							
	OBS	00470	05.52	34.830	27.50		1480.7							
	OBS	00477	05.76	34.950	27.56		1481.9							
	OBS	00489	06.00	34.990	27.57		1483.1							
	STD	00500	06.20	35.05	27.59	00.500	1484.2							
	OBS	00506	06.27	35.080	27.60		1484.6							
	OBS	00538	06.12	35.07C	27.61		1484.5							
	OBS	00563	C5.60	34.973	27.60		1482.7							
	STD	00600	05.28	34.97	27.64	00.555	1482.0							
	OBS	00601	05.28	34.975	27.64		1482.0							
	OBS	00603	05.28	34.965	27.64		1482.1							
	OBS	00651	05.08	34.980	27.67		1482.0							
	STD	00700	04.97	34.98	27.68	00.607	1482.4							
	OBS	00700	04.97	34.980	27.68		1482.4							
	OBS	00750	04.73	34.965	27.70		1482.2							
	STD	00800	04.65	34.97	27.71	00.656	1482.7							
	OBS	00801	04.65	34.970	27.71		1482.8							
	OBS	00850	04.54	34.960	27.72		1483.1							
	STD	00900	04.31	34.94	27.73	00.704	1483.0							
	OBS	00900	04.31	34.940	27.73		1483.0							
	OBS	00951	04.21	34.940	27.74		1483.4							
	STD	01000	04.07	34.92	27.74	00.751	1483.6							
	OBS	01001	04.07	34.920	27.74		1483.6							
	OBS	01020	04.09	34.930	27.74		1484.0							

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REFID 31 8370 YEAR 1974 BOTDP 03845 AIR TEMP 06.9 DIR HGT PER WIND-DIR 31 INST STD RECORDER TEN SQ 1306
CONSEC 0110 MONTH 06 SHIP EV WET BULB 06.3 00 0 0 WIND-SPD 10 TRACE DIR D 5 SQUARE 2
LAT 41 41.5N DAY 11 DATA USE I BARCMETR 1008.1 SEA WIND-FOR CURATION 00.5 2 SQUARE 06
LONG 047 53.5W HOUR 03.2 AREA 05 CLCUD T/A CL/TR WEATHER X2 CRIG 011 600 1 SQUARE 17

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	12.01	34.49	26.21	00.000	1496.9							
03.2	OBS	00001	12.01	34.490	26.21		1496.9							
	STD	00010	12.01	34.49	26.21	00.018	1497.0							
	OBS	00011	12.01	34.490	26.21		1497.0							
	STD	00020	12.02	34.49	26.21	00.036	1497.2							
	OBS	00020	12.02	34.490	26.21		1497.2							
	OBS	00028	12.03	34.490	26.21		1497.4							
	STD	00030	12.19	34.54	26.22	00.055	1498.0							
	OBS	00032	12.41	34.633	26.24		1498.9							
	OBS	00036	12.59	34.780	26.32		1499.8							
	OBS	00040	13.00	34.983	26.40		1501.5							
	OBS	00043	13.48	35.237	26.50		1503.5							
	OBS	00045	13.94	35.473	26.58		1505.3							
	OBS	00047	14.13	35.520	26.58		1506.0							
	STD	00050	14.06	35.52	26.60	00.087	1505.8							
	OBS	00051	14.02	35.527	26.61		1505.7							
	STD	00075	13.75	35.52	26.66	00.123	1505.2							
	OBS	00076	13.74	35.523	26.66		1505.2							
	OBS	00078	14.07	35.650	26.69		1506.5							
	STD	00100	13.98	35.66	26.72	00.158	1506.6							
	OBS	00100	13.97	35.665	26.72		1506.6							
	OBS	00119	13.64	35.620	26.76		1505.7							
	STD	00125	13.42	35.56	26.76	00.192	1505.0							
	OBS	00129	13.28	35.530	26.76		1504.6							
	STD	00150	13.20	35.62	26.85	00.224	1504.8							
	OBS	00152	13.16	35.623	26.86		1504.7							
	OBS	00156	13.07	35.620	26.88		1504.4							
	OBS	00177	12.23	35.460	26.92		1501.7							
	OBS	00184	11.47	35.310	26.95		1499.0							
	OBS	00186	11.44	35.310	26.95		1499.0							
	OBS	00188	11.21	35.300	26.99		1498.2							
	STD	00200	11.15	35.31	27.01	00.283	1498.2							
	OBS	00201	11.08	35.310	27.02		1498.0							
	OBS	00205	10.87	35.270	27.03		1497.2							
	OBS	00211	10.39	35.195	27.06		1495.5							
	OBS	00213	10.37	35.170	27.04		1495.4							
	OBS	00215	10.01	35.090	27.04		1494.1							
	OBS	00217	09.94	35.090	27.05		1493.8							
	OBS	00222	10.33	35.180	27.05		1495.5							
	OBS	00228	10.21	35.185	27.08		1495.1							
	OBS	00232	09.73	35.090	27.09		1493.3							
	OBS	00245	07.63	34.720	27.13		1485.2							
	STD	00250	07.28	34.64	27.12	00.335	1483.8							
	OBS	00251	07.20	34.627	27.12		1483.5							
	OBS	00260	06.88	34.560	27.11		1482.3							
	OBS	00266	06.44	34.490	27.11		1480.5							
	OBS	00281	06.52	34.510	27.12		1481.1							
	OBS	00291	06.40	34.505	27.13		1480.8							
	OBS	00297	05.91	34.425	27.13		1478.8							
	STD	00300	05.88	34.43	27.14	00.385	1478.8							
	OBS	00302	05.85	34.440	27.15		1478.7							
	OBS	00306	06.19	34.497	27.15		1480.2							
	OBS	00312	05.63	34.425	27.17		1478.0							
	OBS	00323	05.60	34.440	27.18		1478.0							
	OBS	00327	05.79	34.492	27.20		1478.9							
	OBS	00333	06.30	34.587	27.21		1481.2							
	OBS	00356	06.21	34.640	27.26		1481.3							
	OBS	00357	06.25	34.640	27.26		1481.5							
	OBS	00361	06.06	34.610	27.26		1480.7							
	OBS	00371	05.27	34.497	27.27		1477.6							
	OBS	00373	05.23	34.505	27.28		1477.4							
	OBS	00378	05.60	34.620	27.32		1479.2							
	OBS	00386	05.51	34.610	27.33		1478.9							
	OBS	00390	05.71	34.640	27.33		1479.8							
	OBS	00392	05.50	34.600	27.32		1479.0							
	OBS	00397	05.32	34.620	27.36		1478.4							
	STD	00400	05.76	34.69	27.36	00.472	1480.3							
	OBS	00403	06.25	34.770	27.36		1482.4							
	OBS	00413	06.14	34.740	27.35		1482.1							
	OBS	00418	05.84	34.720	27.37		1480.9							
	OBS	00426	05.94	34.770	27.40		1481.5							
	OBS	00432	06.36	34.830	27.39		1483.4							
	OBS	00443	05.78	34.767	27.42		1481.2							
	OBS	00451	05.19	34.720	27.45		1478.8							
	OBS	00470	05.35	34.770	27.47		1479.9							
	OBS	00477	05.02	34.740	27.49		1478.6							
	OBS	00481	04.99	34.730	27.48		1478.5							
	OBS	00494	04.68	34.735	27.52		1477.5							
	STD	00500	04.80	34.76	27.53	00.542	1478.1							
	OBS	00500	04.83	34.770	27.53		1478.2							
	OBS	00504	05.15	34.830	27.54		1479.7							
	OBS	00506	05.21	34.840	27.55		1480.0							
	OBS	00512	05.66	34.905	27.54		1482.0							
	OBS	00550	06.07	34.990	27.56		1484.4							
	STD	00600	05.98	35.09	27.65	00.600	1485.0							
	OBS	00601	05.97	35.095	27.65		1485.0							
	OBS	00652	05.59	35.070	27.68		1484.3							
	OBS	00660	05.56	35.070	27.68		1484.3							
	OBS	00675	05.21	34.990	27.66		1483.0							
	STD	00700	04.99	34.98	27.68	00.652	1482.5							
	OBS	00704	04.96	34.975	27.68		1482.4							
	OBS	00750	04.90	34.970	27.68		1482.9							
	STD	00800	04.75	34.97	27.71	00.702	1483.2							
	OBS	00801	04.75	34.975	27.71		1483.2							
	OBS	00852	04.67	34.970	27.71		1483.7							
	STD	00900	04.52	34.99	27.74	00.749	1483.9							
	OBS	00902	04.51	34.990	27.74		1483.9							
	OBS	00951	04.24	34.950	27.74		1483.5							
	STD	01000	04.28	34.97	27.75	00.795	1484.5							
	OBS	01001	04.28	34.970	27.75		1484.6							
	OBS	01020	04.22	34.960	27.75		1484.6							
	OBS	01022	04.24	34.970	27.76		1484.7							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID 31 8370 YEAR 1974 BOTDP 03777 AIR TEMP 07.0 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1306
CONSEC 0111 MONTH 06 SHIP EV WET BULB 05.5 23 2 2 WIND-SPD 07 TRACE DIR D 5 SQUARE 2
LAT 41 17.8N DAY 11 DATA USE 1 BAROMETR 1008.7 SEA WIND-FOR DURATION 00.4 2 SQUARE 06
LONG 047 33.2W HOUR 06.9 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 601 1 SQUARE 17

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	07.73	33.11	25.86	00.000	1479.4							
06.9	OBS	00001	07.73	33.115	25.86		1479.5							
	STD	00010	07.73	33.11	25.86	00.022	1479.6							
	OBS	00011	07.73	33.115	25.86		1479.6							
	STD	00020	07.78	33.12	25.85	00.043	1480.0							
	OBS	00020	07.79	33.120	25.85		1480.0							
	OBS	00028	07.61	33.203	25.94		1479.5							
	STD	00030	07.11	33.02	25.87 *	00.065	1477.4							
	OBS	00034	05.57	32.930	25.99		1471.2							
	OBS	00036	04.89	33.123	26.22		1468.6							
	OBS	00041	04.31	33.125	26.29		1466.3							
	OBS	00047	02.38	33.050	26.40		1458.0							
	OBS	00049	02.26	33.100	26.45		1457.6							
	STD	00050	02.16	33.11	26.47	00.102	1457.2							
	OBS	00051	01.91	33.136	26.50		1456.1							
	OBS	00068	01.55	33.370	26.69		1456.9							
	OBS	00070	01.50	33.390	26.74		1455.0							
	OBS	00072	01.45	33.370	26.73		1454.8							
	STD	00075	01.63	33.44	26.77	00.138	1455.7							
	OBS	00076	01.72	33.465	26.79		1456.2							
	OBS	00078	01.91	33.520	26.82		1457.1							
	OBS	00081	02.76	33.645	26.85		1461.1							
	OBS	00085	01.68	33.590	26.89		1456.3							
	OBS	00087	01.75	33.610	26.90		1456.7							
	STD	00100	06.87	34.41	26.99	00.167	1479.4							
	OBS	00102	07.41	34.490	26.98		1481.7							
	OBS	00112	07.56	34.505	26.97		1482.4							
	OBS	00114	07.43	34.490	26.98		1481.9							
	OBS	00118	06.86	34.390	26.98		1479.6							
	OBS	00123	07.06	34.487	27.03		1480.6							
	STD	00125	06.91	34.46	27.02	00.194	1480.0							
	OBS	00127	06.69	34.413	27.02		1479.1							
	OBS	00137	06.50	34.460	27.08		1478.6							
	OBS	00140	06.00	34.410	27.11		1476.6							
	STD	00150	05.95	34.43	27.13	00.220	1476.6							
	OBS	00152	05.94	34.430	27.13		1476.6							
	OBS	00175	06.44	34.495	27.12		1479.0							
	OBS	00178	06.41	34.490	27.12		1479.0							
	OBS	00182	07.11	34.640	27.14		1482.0							
	OBS	00188	06.68	34.570	27.14		1480.3							
	OBS	00192	06.53	34.597	27.19		1479.8							
	OBS	00196	05.85	34.480	27.18		1477.0							
	STD	00200	05.84	34.49	27.19	00.267	1477.1							
	OBS	00201	05.84	34.500	27.20		1477.1							
	OBS	00203	05.62	34.490	27.22		1476.2							
	OBS	00205	05.61	34.490	27.22		1476.2							
	OBS	00209	06.14	34.590	27.23		1478.5							
	OBS	00228	06.39	34.615	27.22		1479.9							
	STD	00250	05.63	34.48	27.21	00.312	1477.0							
	OBS	00251	05.59	34.480	27.21		1476.9							
	OBS	00276	04.96	34.490	27.30		1474.7							
	OBS	00277	04.92	34.500	27.31		1474.6							
	OBS	00289	05.47	34.630	27.35		1477.2							
	STD	00300	04.77	34.51	27.34	00.354	1474.4							
	OBS	00302	04.64	34.500	27.34		1473.8							
	OBS	00312	04.32	34.495	27.37		1472.7							
	OBS	00319	04.82	34.620	27.42		1475.0							
	OBS	00331	04.80	34.650	27.44		1475.2							
	OBS	00335	05.16	34.730	27.46		1476.8							
	OBS	00338	05.23	34.740	27.46		1477.2							
	OBS	00348	05.85	34.830	27.46		1480.0							
	OBS	00350	05.85	34.830	27.46		1480.0							
	OBS	00359	05.82	34.830	27.46		1480.0							
	STD	00400	04.44	34.66	27.49	00.425	1474.8							
	OBS	00403	04.44	34.645	27.48		1474.9							
	OBS	00407	04.46	34.650	27.48		1475.0							
	OBS	00415	04.76	34.760	27.53		1476.5							
	OBS	00454	05.08	34.850	27.57		1478.6							
	STD	00500	04.98	34.84	27.57	00.486	1479.0							
	OBS	00500	04.98	34.840	27.57		1479.0							
	OBS	00550	04.96	34.940	27.65		1479.8							
	STD	00600	05.15	34.99	27.67	00.541	1481.5							
	OBS	00601	05.16	34.990	27.67		1481.6							
	OBS	00654	04.90	34.970	27.68		1481.4							
	STD	00700	04.78	34.99	27.71	00.590	1481.6							
	OBS	00700	04.78	34.990	27.71		1481.7							
	OBS	00750	04.80	34.980	27.70		1482.5							
	STD	00800	04.69	34.97	27.71	00.638	1482.9							
	OBS	00801	04.69	34.970	27.71		1482.9							
	OBS	00850	04.50	34.987	27.74		1483.0							
	STD	00900	04.38	34.97	27.74	00.685	1483.3							
	OBS	00902	04.38	34.970	27.74		1483.3							
	OBS	00953	04.28	34.970	27.75		1483.8							
	STD	01000	04.21	34.96	27.75	00.730	1484.2							
	OBS	01001	04.21	34.960	27.75		1484.2							
	OBS	01018	04.18	34.960	27.76		1484.4							

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REFID 31 8371	YEAR 1974	BCTDP 04153	AIR TEMP 08.2	DIR HGT PER	WIND-DIR 30	INST STD RECORDER	TEN SQ 1306
CONSEC 0001	MONTH 06	SHIP EV	WET BULB 07.9	30 4 3	WIND-SPD 22	TRACE DIR D	5 SQUARE 2
LAT 43 04.0N	DAY 11	DATA USE I	BAROMETR 1009.9	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 26
LONG 046 33.0W	HOUR 18.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 602	1 SQUARE 36

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	16.86	36.06	26.38	00.000	1514.4							
18.2	OBS	00000	16.86	36.060	26.38		1514.4							
	STD	00010	16.87	36.06	26.38	00.017	1514.6							
	OBS	00010	16.87	36.065	26.38		1514.6							
	STD	00020	16.87	36.06	26.38	00.033	1514.8							
	OBS	00020	16.87	36.065	26.38		1514.8							
	STD	00030	16.87	36.07	26.38	00.050	1514.9							
	OBS	00030	16.87	36.070	26.38		1514.9							
	STD	00050	16.88	36.07	26.38	00.083	1515.3							
	OBS	00050	16.88	36.070	26.38		1515.3							
	STD	00075	16.30	36.04	26.50	00.124	1513.9							
	STD	00100	15.80	36.01	26.59	00.162	1512.8							
	OBS	00100	15.80	36.010	26.59		1512.8							
	STD	00125	15.41	35.96	26.64	00.199	1511.9							
	STD	00150	15.09	35.91	26.67	00.235	1511.2							
	OBS	00175	14.82	35.850	26.68		1510.7							
	OBS	00195	14.65	35.800	26.68		1510.5							
	STD	00200	14.80	35.83	26.67	00.306	1511.1							
	OBS	00200	14.80	35.830	26.67		1511.1							
	OBS	00215	14.54	35.775	26.69		1510.4							
	OBS	00225	14.50	35.840	26.75		1510.5							
	OBS	00240	14.55	35.885	26.77		1511.0							
	STD	00250	13.88	35.68	26.76	00.376	1508.7							
	OBS	00250	13.88	35.685	26.76		1508.7							
	OBS	00260	14.05	35.800	26.81		1509.6							
	STD	00300	13.50	35.71	26.86	00.443	1508.3							
	OBS	00300	13.50	35.710	26.86		1508.3							
	OBS	00390	11.42	35.400	27.03		1502.4							
	STD	00400	11.25	35.43	27.08	00.561	1502.0							
	OBS	00400	11.25	35.430	27.08		1502.0							
	OBS	00420	10.66	35.295	27.09		1500.0							
	OBS	00430	10.60	35.345	27.13		1500.0							
	OBS	00450	10.28	35.290	27.15		1499.2							
	OBS	00460	10.25	35.305	27.17		1499.2							
	STD	00500	09.39	35.11	27.16	00.667	1496.5							
	OBS	00570	08.35	35.105	27.32		1493.8							
	OBS	00580	08.25	35.140	27.37		1493.6							
	STD	00600	07.90	35.17	27.44	00.755	1492.6							
	OBS	00600	07.90	35.170	27.44		1492.6							
	STD	00700	06.73	35.08	27.54	00.827	1489.6							
	OBS	00700	06.73	35.080	27.54		1489.6							
	STD	00800	05.96	35.07	27.64	00.889	1488.2							
	OBS	00800	05.96	35.075	27.64		1488.2							
	STD	00900	05.68	35.11	27.70	00.943	1488.8							
	OBS	00900	05.68	35.110	27.70		1488.8							
	OBS	00950	04.90	35.005	27.71		1486.3							
	STD	01000	04.92	35.03	27.73	00.994	1487.3							
	OBS	01000	04.92	35.035	27.73		1487.3							

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REFID 31 8371	YEAR 1974	BOTDP 04218	AIR TEMP 06.5	DIR HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1306
CONSEC 0002	MONTH 06	SHIP EV	WET BULB 06.3	31 3 3	WIND-SPD 12	TRACE DIR D	5 SQUARE 2
LAT 43 13.5N	DAY 11	DATA USE 1	BAROMETR 1004.5	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 26
LONG 047 06.3W	HOUR 23.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	CRIG 011 603	1 SQUARE 37

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	08.09	33.07	25.77	00.000	1480.8							
23.8	OBS	00003	08.09	33.070	25.77		1480.8							
	STD	00010	08.07	33.06	25.76	00.022	1480.8							
	OBS	00011	08.07	33.060	25.76		1480.9							
	OBS	00013	07.99	33.040	25.76		1480.6							
	OBS	00015	07.53	32.950	25.75		1478.7							
	OBS	00017	06.70	32.857	25.79		1475.3							
	OBS	00019	06.18	32.935	25.92		1473.4							
	STD	00020	06.13	32.94	25.93	00.044	1473.2							
	OBS	00022	06.03	33.015	26.00		1472.9							
	OBS	00028	06.09	33.435	26.33		1473.8							
	STD	00030	07.55	33.74	26.37	00.063	1480.0							
	OBS	00030	07.94	33.820	26.38		1481.7							
	OBS	00034	08.52	34.005	26.44		1484.2							
	OBS	00038	08.02	33.960	26.48		1482.3							
	OBS	00040	06.92	33.750	26.47		1477.7							
	OBS	00045	06.59	33.763	26.52		1476.6							
	OBS	00049	06.56	33.847	26.59		1476.6							
	STD	00050	06.41	33.81	26.59	00.094	1476.0							
	OBS	00051	06.02	33.743	26.58		1474.3							
	OBS	00057	04.99	33.720	26.68		1470.2							
	OBS	00059	03.95	33.640	26.73		1465.8							
	OBS	00060	03.51	33.610	26.75		1463.9							
	STD	00075	03.16	33.75	26.89	00.127	1462.8							
	OBS	00076	03.10	33.750	26.90		1462.6							
	OBS	00078	02.99	33.750	26.91		1462.1							
	OBS	00079	03.08	34.030	27.13		1462.9							
	OBS	00081	03.60	34.080	27.12		1465.3							
	STD	00100	03.84	34.15	27.15	00.154	1466.7							
	STD	00125	04.21	34.24	27.18	00.177	1468.8							
	STD	00150	04.65	34.33	27.20	00.199	1471.1							
	OBS	00196	05.59	34.496	27.23		1476.0							
	STD	00200	05.63	34.54	27.25	00.243	1476.3							
	OBS	00201	05.72	34.560	27.26		1476.7							
	OBS	00205	06.04	34.617	27.27		1478.1							
	OBS	00209	06.09	34.630	27.27		1478.4							
	OBS	00222	05.86	34.636	27.30		1477.7							
	OBS	00226	06.35	34.750	27.33		1479.9							
	OBS	00239	06.37	34.740	27.32		1480.2							
	OBS	00249	06.03	34.685	27.32		1478.9							
	STD	00250	05.99	34.68	27.32	00.284	1478.7							
	OBS	00255	05.78	34.640	27.32		1477.9							
	OBS	00270	06.28	34.830	27.40		1480.4							
	OBS	00276	06.28	34.830	27.40		1480.5							
	OBS	00285	05.83	34.755	27.40		1478.8							
	STD	00300	05.61	34.75	27.43	00.321	1478.1							
	OBS	00300	05.60	34.750	27.43		1478.1							
	OBS	00308	05.90	34.850	27.47		1479.5							
	OBS	00321	04.15	34.610	27.48		1472.3							
	OBS	00329	03.08	34.490	27.49		1467.7							
	OBS	00336	04.13	34.620	27.49		1472.4							
	OBS	00350	03.11	34.490	27.49		1468.2							
	OBS	00386	02.55	34.503	27.55		1466.4							
	STD	00400	02.64	34.50	27.54	00.386	1467.0							
	OBS	00405	02.68	34.500	27.54		1467.2							
	OBS	00428	02.85	34.600	27.60		1468.5							
	OBS	00434	03.15	34.640	27.61		1469.9							
	OBS	00453	03.78	34.720	27.61		1473.0							
	OBS	00460	03.33	34.650	27.60		1471.1							
	STD	00500	03.50	34.67	27.60	00.442	1472.6							
	OBS	00502	03.52	34.673	27.60		1472.7							
	OBS	00546	03.95	34.767	27.63		1475.3							
	OBS	00550	03.98	34.770	27.63		1475.5							
	OBS	00584	03.99	34.780	27.63		1476.2							
	STD	00600	04.31	34.83	27.64	00.495	1477.8							
	OBS	00611	04.46	34.850	27.64		1478.7							
	OBS	00651	04.48	34.840	27.63		1479.4							
	STD	00700	04.37	34.83	27.63	00.548	1479.7							
	OBS	00700	04.37	34.830	27.63		1479.7							
	OBS	00776	04.37	34.850	27.65		1481.0							
	STD	00800	04.21	34.85	27.66	00.601	1480.8							
	OBS	00801	04.21	34.845	27.66		1480.8							
	OBS	00852	04.58	34.980	27.73		1483.3							
	STD	00900	04.39	34.96	27.73	00.651	1483.3							
	OBS	00900	04.39	34.960	27.73		1483.3							
	OBS	00953	04.26	34.947	27.74		1483.7							
	STD	01000	04.14	34.93	27.74	00.697	1483.9							
	OBS	01001	04.14	34.930	27.74		1483.9							

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REFID 31 8371	YEAR 1974	BOTOP 03735	AIR TEMP 05.5	DIR HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1306
CONSEC 0003	MONTH 06	SHIP EV	WET BULB 04.5	28 3 2	WIND-SPD 18	TRACE DIR D	5 SQUARE 2
LAT 43 25.0N	DAY 12	DATA USE I	BAROMETR 1016.3	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 26
LONG 047 38.6W	HOUR 03.9	AREA 05	CLOUD T/A	CL/TR	WEATHER XO	ORIG 011 604	1 SQUARE 37

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	05.87	33.12	26.11	00.000	1472.1							
03.9	OBS	00005	05.87	33.120	26.11		1472.2							
	STD	00010	05.87	33.11	26.10	0C.019	1472.2							
	OBS	00011	05.87	33.110	26.10		1472.2							
	STD	00020	05.87	33.12	26.11	00.038	1472.4							
	OBS	00020	05.87	33.120	26.11		1472.4							
	OBS	00026	05.84	33.125	26.11		1472.4							
	STD	00030	05.64	33.10	26.12	00.058	1471.6							
	OBS	00032	05.34	33.075	26.13		1470.4							
	OBS	00036	04.58	33.030	26.18		1467.2							
	OBS	00038	03.27	33.053	26.33		1461.8							
	OBS	00043	02.22	33.082	26.44		1457.3							
	OBS	00045	02.02	33.100	26.47		1456.5							
	OBS	00049	01.52	33.130	26.53		1454.4							
	STD	00050	01.45	33.16	26.56	00.091	1454.1							
	OBS	00053	01.31	33.260	26.65		1453.7							
	OBS	00055	01.47	33.270	26.65		1454.4							
	STD	00075	00.70	33.35	26.76	00.126	1451.4							
	OBS	00078	00.58	33.435	26.84		1451.1							
	OBS	00081	01.04	33.570	26.92		1453.4							
	OBS	00097	01.31	33.593	26.92		1454.9							
	STD	00100	01.18	33.61	26.94	00.156	1454.4							
	OBS	00100	01.18	33.620	26.95		1454.4							
	OBS	00106	01.58	33.745	27.02		1456.4							
	STD	00125	01.65	33.93	27.17	00.182	1457.3							
	OBS	00125	01.66	33.940	27.17		1457.4							
	STD	00150	02.53	34.06	27.20	00.204	1461.8							
	OBS	00152	02.58	34.080	27.21		1462.0							
	OBS	00175	02.76	34.260	27.34		1463.4							
	STD	00200	03.13	34.39	27.41	00.244	1465.6							
	OBS	00205	03.22	34.430	27.43		1466.2							
	OBS	00226	03.60	34.590	27.52		1468.3							
	STD	00250	03.80	34.63	27.53	00.276	1469.6							
	OBS	00253	03.83	34.640	27.54		1469.8							
	OBS	00276	04.05	34.750	27.60		1471.3							
	STD	00300	04.20	34.77	27.60	00.303	1472.3							
	OBS	00302	04.21	34.770	27.60		1472.4							
	OBS	00356	04.32	34.830	27.64		1473.8							
	STD	00400	04.31	34.86	27.66	00.354	1474.6							
	OBS	00405	04.31	34.860	27.66		1474.6							
	OBS	00451	04.26	34.850	27.66		1475.2							
	STD	00500	04.19	34.93	27.73	00.399	1475.8							
	OBS	00500	04.19	34.930	27.73		1475.8							
	OBS	00553	04.05	34.937	27.75		1476.1							
	STD	00600	03.99	34.94	27.76	00.441	1476.6							
	OBS	00601	03.99	34.940	27.76		1476.7							
	OBS	00651	03.92	34.950	27.78		1477.2							
	STD	00700	03.88	34.95	27.78	00.481	1477.8							
	OBS	00700	03.88	34.950	27.78		1477.9							
	OBS	00751	03.85	34.950	27.78		1478.6							
	STD	00800	03.81	34.95	27.79	00.520	1479.2							
	OBS	00803	03.81	34.950	27.79		1479.3							
	OBS	00854	03.76	34.950	27.79		1479.9							
	STD	00900	03.74	34.95	27.79	00.560	1480.6							
	OBS	00900	03.74	34.950	27.79		1480.6							
	OBS	00951	03.70	34.950	27.80		1481.3							
	STD	01000	03.65	34.95	27.80	00.599	1481.9							
	OBS	01001	03.65	34.950	27.80		1481.9							
	OBS	01020	03.65	34.950	27.80		1482.2							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID 31 8371 YEAR 1974 BOTDP 03700 AIR TEMP 05.5 DIR HGT PER WIND-DIR 30 INST STD RECORDER TEN SQ 1306
CONSEC 0004 MONTH 06 SHIP EV WET BULB 04.5 28 3 2 WIND-SPD 16 TRACE DIR D 5 SQUARE 2
LAT 43 34.5N DAY 12 DATA USE 1 BAROMETR 1016.2 SEA WIND-FOR DURATION 00.4 2 SQUARE 28
LONG 048 03.3W HOUR 06.7 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG 011 605 1 SQUARE 38

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	05.66	33.12	26.13	00.000	1471.2							
06.7	OBS	00003	05.66	33.11o	26.13		1471.3							
	STD	00010	05.64	33.12	26.13	00.019	1471.3							
	OBS	00011	05.64	33.12o	26.13		1471.3							
	STD	00020	05.62	33.12	26.14	00.038	1471.4							
	OBS	00020	05.62	33.12o	26.14		1471.4							
	OBS	00028	05.6o	33.16ɔ	26.17		1471.7							
	STD	00030	05.30	33.15	26.20	00.056	1470.3							
	OBS	00034	04.19	33.12ɔ	26.30		1465.7							
	OBS	00041	02.17	33.14o	26.49		1457.2							
	OBS	00043	01.73	33.25o	26.61		1455.4							
	OBS	00049	01.32	33.26o	26.65		1453.7							
	STD	00050	01.08	33.26	26.67	00.089	1452.6							
	OBS	00051	00.60	33.26ɔ	26.70		1450.5							
	OBS	00053	00.37	33.39o	26.81		1449.6							
	OBS	00059	00.62	33.44ɔ	26.84		1450.9							
	STD	00075	00.47	33.58	26.96	00.120	1450.7							
	OBS	00076	00.46	33.59ɔ	26.97		1450.7							
	OBS	00095	00.73	33.81o	27.13		1452.5							
	STD	00100	01.18	33.92	27.19	00.145	1454.8							
	OBS	00100	01.27	33.94o	27.20		1455.2							
	OBS	00106	01.90	34.05o	27.24		1458.3							
	OBS	00108	02.02	34.07o	27.25		1458.9							
	OBS	00112	02.58	34.12ɔ	27.25		1461.4							
	OBS	00114	02.77	34.14o	27.24		1462.3							
	STD	00125	02.77	34.14	27.24	00.166	1462.5							
	OBS	00125	02.77	34.15o	27.25		1462.5							
	OBS	00127	02.78	34.18ɔ	27.28		1462.6							
	OBS	00131	03.36	34.29o	27.31		1465.3							
	OBS	00135	03.59	34.40ɔ	27.38		1466.5							
	OBS	00139	03.65	34.40o	27.37		1466.9							
	OBS	00146	04.42	34.50o	27.37		1470.4							
	STD	00150	04.52	34.57	27.41	00.185	1470.9							
	OBS	00152	04.62	34.60ɔ	27.43		1471.4							
	OBS	00156	04.82	34.64o	27.43		1472.4							
	OBS	00161	05.35	34.73ɔ	27.44		1474.8							
	OBS	00175	05.51	34.74ɔ	27.44		1475.6							
	OBS	00180	05.48	34.74o	27.43		1475.6							
	OBS	00188	05.15	34.68o	27.43		1474.3							
	OBS	00192	04.95	34.64o	27.42		1473.5							
	OBS	00194	04.86	34.63o	27.42		1473.1							
	STD	00200	05.06	34.72	27.47	00.219	1474.2							
	OBS	00203	05.08	34.76o	27.50		1474.4							
	OBS	00213	04.74	34.76o	27.54		1473.1							
	OBS	00222	04.71	34.73o	27.52		1473.1							
	STD	00250	04.13	34.72	27.57	00.249	1471.1							
	OBS	00251	04.12	34.72o	27.57		1471.1							
	OBS	00276	04.37	34.78o	27.59		1472.7							
	STD	00300	04.66	34.82	27.60	00.276	1474.3							
	OBS	00302	04.69	34.83o	27.60		1474.5							
	OBS	00350	04.92	34.98o	27.69		1476.4							
	STD	00400	05.06	34.98	27.67	00.327	1477.8							
	OBS	00401	05.06	34.98o	27.67		1477.8							
	OBS	00426	04.76	34.98o	27.71		1477.0							
	OBS	00432	04.57	34.95o	27.71		1476.3							
	OBS	00451	04.56	34.96o	27.72		1476.6							
	STD	00500	04.76	34.99	27.72	00.373	1478.2							
	OBS	00500	04.76	34.99o	27.72		1478.3							
	OBS	00550	04.51	34.98o	27.74		1478.0							
	STD	00600	04.58	34.97	27.72	00.418	1479.1							
	OBS	00601	04.58	34.97o	27.72		1479.2							
	OBS	00651	04.37	34.99o	27.76		1479.1							
	STD	00700	04.24	34.97	27.76	00.461	1479.4							
	OBS	00700	04.24	34.97o	27.76		1479.4							
	OBS	00750	04.12	34.96o	27.76		1479.7							
	STD	00800	04.06	34.96	27.77	00.503	1480.3							
	OBS	00801	04.06	34.96o	27.77		1480.3							
	OBS	00850	03.97	34.95o	27.77		1480.7							
	STD	00900	03.96	34.95	27.78	00.545	1481.5							
	OBS	00900	03.96	34.95ɔ	27.78		1481.5							
	OBS	00951	03.90	34.95o	27.78		1482.1							
	STD	01000	03.87	34.95	27.78	00.587	1482.8							
	OBS	01001	03.87	34.95o	27.78		1482.8							
	OBS	01018	03.87	34.95ɔ	27.79		1483.1							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID 31 8371	YEAR 1974	BOTDP 02210	AIR TEMP 06.9	DIR HGT PER	WIND-DIR 26	INST STD RECORDER	TEN SQ 1306
CONSEC 0005	MONTH 06	SHIP EV	WET BULB 06.1	26 4 7	WIND-SPD 10	TRACE DIR 0	5 SQUARE 2
LAT 43 46.2N	DAY 12	DATA USE 1	BAROMETR 1021.8	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 28
LONG 048 35.7W	HOUR 10.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	CRIG 011 606	1 SQUARE 38

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.28	32.90	26.21	00.000	1461.0							
10.2	OBS	00003	03.28	32.900	26.21		1461.0							
	STD	00010	03.28	32.90	26.21	00.018	1461.1							
	OBS	00011	03.28	32.900	26.21		1461.1							
	STD	00020	03.17	32.92	26.23	00.036	1460.9							
	OBS	00020	03.15	32.920	26.24		1460.8							
	STD	00030	02.80	32.92	26.27	00.054	1459.4							
	OBS	00030	02.72	32.920	26.27		1459.1							
	OBS	00036	01.34	32.900	26.36		1453.0							
	OBS	00038	01.15	33.147	26.57		1452.6							
	STD	00050	01.06	33.24	26.65	00.086	1452.5							
	OBS	00051	01.00	33.250	26.66		1452.3							
	OBS	00055	00.80	33.270	26.69		1451.4							
	OBS	00060	- 0.07	33.490	26.91		1447.9							
	OBS	00066	- 0.11	33.582	26.99		1447.9							
	STD	00075	- 0.11	33.69	27.08	00.116	1448.2							
	OBS	00076	- 0.10	33.705	27.09		1448.3							
	STD	00100	00.56	33.94	27.24	00.138	1452.0							
	OBS	00100	00.58	33.950	27.25		1452.1							
	STD	00125	00.76	34.08	27.34	00.158	1453.5							
	OBS	00125	00.77	34.080	27.34		1453.6							
	STD	00150	01.12	34.20	27.41	00.176	1455.7							
	OBS	00150	01.13	34.200	27.42		1455.8							
	OBS	00175	01.52	34.285	27.46		1458.0							
	STD	00200	01.90	34.44	27.56	00.207	1460.4							
	OBS	00201	01.92	34.450	27.56		1460.5							
	OBS	00228	02.08	34.490	27.58		1461.7							
	OBS	00232	02.15	34.505	27.59		1462.1							
	OBS	00239	02.56	34.600	27.63		1464.1							
	STD	00250	02.49	34.61	27.64	00.232	1464.0							
	OBS	00255	02.45	34.620	27.65		1463.9							
	OBS	00260	03.15	34.700	27.65		1467.1							
	OBS	00266	03.40	34.730	27.65		1468.3							
	OBS	00276	03.44	34.730	27.65		1468.7							
	STD	00300	03.65	34.77	27.66	00.256	1470.0							
	OBS	00300	03.65	34.770	27.66		1470.0							
	OBS	00316	03.71	34.780	27.66		1470.5							
	OBS	00323	03.08	34.730	27.68		1467.9							
	OBS	00329	03.10	34.730	27.68		1468.1							
	OBS	00331	03.53	34.770	27.67		1470.0							
	OBS	00350	03.58	34.775	27.67		1470.5							
	STD	00400	03.54	34.78	27.68	00.302	1471.2							
	OBS	00403	03.54	34.780	27.68		1471.3							
	OBS	00458	03.73	34.840	27.71		1473.1							
	STD	00500	03.84	34.85	27.70	00.347	1474.2							
	OBS	00502	03.85	34.850	27.70		1474.3							
	OBS	00552	03.94	34.840	27.69		1475.5							
	STD	00600	03.96	34.85	27.69	00.393	1476.4							
	OBS	00601	03.96	34.850	27.69		1476.4							
	OBS	00652	04.05	34.940	27.75		1477.8							
	STD	00700	04.03	34.94	27.76	00.437	1478.5							
	OBS	00700	04.03	34.940	27.76		1478.5							
	OBS	00750	03.92	34.945	27.77		1478.8							
	STD	00800	03.88	34.94	27.77	00.479	1479.5							
	OBS	00801	03.88	34.940	27.77		1479.5							
	OBS	00850	03.76	34.940	27.78		1479.8							
	STD	00900	03.72	34.93	27.78	00.520	1480.5							
	OBS	00900	03.72	34.930	27.78		1480.5							
	OBS	00955	03.69	34.930	27.78		1481.3							
	STD	01000	03.67	34.93	27.79	00.561	1481.9							
	OBS	01001	03.67	34.930	27.79		1482.0							
	OBS	01020	03.65	34.918	27.78		1482.2							

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REFID 31 8371	YEAR 1974	BOTDP 00670	AIR TEMP 06.9	DIR HGT PER	WIND-DIR 26	INST STD RECORDER	TEN SQ 1306
CONSEC 0006	MONTH 06	SHIP EV	WET BULB 06.1	36 3 4	WIND-SPD 10	TRACE DIR D	5 SQUARE 2
LAT 43 49.2N	DAY 12	DATA USE 1	BAROMETR 1021.8	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 28
LONG 048 55.0W	HOUR 12.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 607	1 SQUARE 38

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.48	32.78	26.10	00.000	1461.7							
12.2	OBS	00001	03.48	32.78	26.10		1461.7							
	STD	00010	03.36	32.77	26.10	00.019	1461.3							
	OBS	00013	03.25	32.77	26.11		1460.9							
	STD	00020	03.17	32.77	26.12	00.038	1460.6							
	OBS	00020	02.88	32.77	26.14		1459.4							
	OBS	00022	02.06	32.69	26.14		1455.7							
	OBS	00026	00.72	32.91	26.41		1450.1							
	STD	00030	00.37	33.02	26.51	00.056	1448.7							
	OBS	00030	00.34	33.03	26.52		1448.6							
	OBS	00034	00.23	33.03	26.53		1448.2							
	OBS	00036	- 0.23	33.05	26.57		1446.1							
	OBS	00040	- 0.47	33.04	26.57		1445.1							
	OBS	00041	- 1.04	33.09	26.63		1442.5							
	OBS	00047	- 1.27	33.10	26.64		1441.5							
	OBS	00049	- 1.54	33.12	26.67		1440.3							
	STD	00050	- 1.56	33.15	26.69	00.084	1440.3							
	OBS	00051	- 1.61	33.21	26.75		1440.2							
	OBS	00057	- 1.63	33.27	26.79		1440.2							
	STD	00075	- 1.58	33.27	26.79	00.117	1440.7							
	OBS	00076	- 1.58	33.27	26.79		1440.8							
	STD	00100	- 1.52	33.39	26.89	00.147	1441.6							
	OBS	00100	- 1.51	33.39	26.89		1441.7							
	STD	00125	- 1.21	33.44	26.91	00.176	1443.6							
	OBS	00127	- 1.17	33.45	26.92		1443.8							
	STD	00150	- 0.68	33.69	27.10	00.203	1446.8							
	OBS	00152	- 0.64	33.70	27.11		1447.1							
	OBS	00177	- 0.34	33.78	27.16		1449.0							
	STD	00200	00.34	33.96	27.27	00.247	1452.7							
	OBS	00201	00.38	33.97	27.28		1452.9							
	OBS	00226	00.84	34.14	27.39		1455.7							
	STD	00250	01.22	34.25	27.45	00.284	1457.9							
	OBS	00251	01.25	34.26	27.46		1458.1							
	OBS	00276	01.84	34.44	27.56		1461.3							
	STD	00300	02.15	34.49	27.57	00.313	1463.2							
	OBS	00300	02.16	34.49	27.57		1463.2							
	OBS	00342	02.49	34.61	27.64		1465.5							
	OBS	00352	02.67	34.62	27.63		1466.5							
	STD	00400	03.06	34.73	27.68	00.363	1469.1							
	OBS	00401	03.07	34.73	27.68		1469.2							
	OBS	00451	03.49	34.78	27.68		1471.8							
	STD	00500	03.73	34.83	27.70	00.408	1473.7							
	OBS	00502	03.74	34.83	27.70		1473.8							
	OBS	00550	03.79	34.85	27.71		1474.8							
	STD	00600	03.84	34.83	27.69	00.454	1475.8							
	OBS	00601	03.84	34.83	27.69		1475.9							
	OBS	00651	03.87	34.84	27.69		1476.8							
	OBS	00660	03.85	34.85	27.70		1476.9							

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REFID 31 8371	YEAR 1974	BOTDP 00281	AIR TEMP 08.5	DIR HGT PER	WIND-DIR 26	INST STD RECORDER	TEN SQ 1306
CONSEC 0007	MONTH 06	SHIP EV	WET BULB 08.0	26 3 2	WIND-SPD 06	TRACE DIR D	5 SQUARE 2
LAT 43 54.8N	DAY 12	DATA USE 1	BAROMETR 1021.5	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 28
LONG 049 03.8W	HOUR 13.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 608	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.78	32.70	26.01	00.000	1462.8							
13.9	OBS	00003	03.78	32.70	26.01		1462.9							
	STD	00010	03.65	32.73	26.04	00.020	1462.5							
	OBS	00011	03.63	32.73	26.05		1462.4							
	OBS	00017	02.60	32.76	26.07		1462.4							
	STD	00020	03.24	32.77	26.11	00.039	1460.9							
	OBS	00020	03.17	32.77	26.12		1460.7							
	OBS	00022	03.08	32.76	26.12		1460.3							
	OBS	00024	02.75	32.76	26.15		1458.9							
	OBS	00026	02.63	32.79	26.18		1458.4							
	STD	00030	02.00	32.77	26.21	00.058	1455.7							
	OBS	00034	01.36	32.77	26.25		1452.9							
	OBS	00047	00.42	32.90	26.42		1449.1							
	STD	00050	- 0.03	33.00	26.52	00.091	1447.2							
	OBS	00051	- 0.24	33.05	26.57		1446.3							
	OBS	00062	- 0.49	33.07	26.59		1445.4							
	STD	00075	- 1.21	33.12	26.65	00.128	1442.3							
	OBS	00076	- 1.26	33.12	26.66		1442.1							
	STD	00100	- 1.56	33.25	26.77	00.161	1441.3							
	OBS	00100	- 1.56	33.25	26.77		1441.3							
	STD	00125	- 1.46	33.28	26.79	00.193	1442.2							
	OBS	00127	- 1.45	33.29	26.80		1442.3							
	OBS	00142	- 1.43	33.38	26.88		1442.7							
	STD	00150	- 1.35	33.38	26.87	00.223	1443.3							
	OBS	00150	- 1.34	33.38	26.88		1443.3							
	OBS	00177	- 0.70	33.61	27.04		1447.0							
	STD	00200	- 0.10	33.78	27.15	00.276	1450.4							
	OBS	00201	- 0.05	33.80	27.16		1450.7							
	OBS	00222	00.67	34.06	27.35		1454.7							
	OBS	00228	00.93	34.16	27.40		1456.1							
	STD	00250	01.41	34.27	27.49	00.315	1458.8							
	OBS	00251	01.43	34.29	27.47		1458.9							
	OBS	00257	01.52	34.39	27.54		1459.5							
	OBS	00262	01.56	34.42	27.53		1461.6							
	OBS	00276	02.04	34.42	27.53		1462.2							
	OBS	00279	02.05	34.43	27.53		1462.3							

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REFID 31 8371	YEAR 1974	BOTDP 00091	AIR TEMP 10.3	DIR HGT PER	WIND-DIR 26	INST STD RECORDER	TEN SQ 1306
CONSEC 0008	MONTH 06	SHIP EV	WET BULB 10.1	35 3 4	WIND-SPD 10	TRACE DIR D	5 SQUARE 2
LAT 43 56.8N	DAY 12	DATA USE I	BAROMETR 1021.2	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 28
LONG 049 12.0W	HOUR 15.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 6090016	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.43	32.70	25.94	00.000	1465.6							
15.0	OBS	00001	04.43	32.697	25.94		1465.6							
	OBS	00003	04.48	32.690	25.92		1465.8							
	OBS	00005	04.35	32.670	25.92		1465.3							
	STD	00010	04.29	32.69	25.95	00.021	1465.1							
	OBS	00011	04.27	32.700	25.95		1465.1							
	STD	00020	04.14	32.69	25.96	00.041	1464.7							
	OBS	00022	04.07	32.685	25.96		1464.4							
	STD	00030	03.80	32.70	26.00	00.062	1463.4							
	OBS	00030	03.78	32.700	26.00		1463.3							
	OBS	00036	03.53	32.700	26.03		1462.4							
	OBS	00038	02.78	32.735	26.12		1459.2							
	OBS	00040	02.36	32.735	26.15		1457.4							
	OBS	00045	01.12	32.900	26.37		1452.2							
	STD	00050	00.58	33.00	26.49	00.097	1450.0							
	OBS	00051	00.45	33.020	26.51		1449.4							
	OBS	00057	00.11	33.035	26.54		1448.0							
	OBS	00059	- 0.30	33.003	26.53		1446.1							
	STD	00075	- 0.99	33.21	26.72	00.133	1443.4							
	OBS	00078	- 1.08	33.230	26.74		1443.1							
	OBS	00087	- 1.26	33.274	26.78		1442.5							
	OBS	00091	- 1.26	33.260	26.77		1442.5							

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REFID 31 8371	YEAR 1974	BOTDP 00044	AIR TEMP 10.5	DIR HGT PER	WIND-DIR 20	INST STD RECORDER	TEN SQ 1306
CONSEC 0009	MONTH 06	SHIP EV	WET BULB 10.2	34 3 3	WIND-SPD 08	TRACE DIR D	5 SQUARE 2
LAT 43 59.2N	DAY 12	DATA USE I	BAROMETR 1021.2	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 28
LONG 049 18.0W	HOUR 15.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 610	1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.00	32.63	26.10	00.000	1455.0							
15.4	OBS	00000	02.00											
	OBS	00003	04.76	32.635	25.85 *		1466.9							
	OBS	00007	04.47	32.643	25.89		1465.8							
	STD	00010	04.43	32.68	25.92	00.020	1465.7							
	OBS	00011	04.41	32.667	25.93		1465.7							
	OBS	00013	04.39	32.693	25.94		1465.6							
	OBS	00017	04.08	32.680	25.96		1464.4							
	OBS	00019	03.65	32.627	25.96		1462.5							
	STD	00020	03.30	32.60	25.97	00.041	1461.0							
	OBS	00020	02.99	32.570	25.97		1459.6							
	OBS	00022	02.37	32.776	26.18		1457.2							
	STD	00030	01.76	32.87	26.31	00.060	1454.8							
	OBS	00030	01.73	32.880	26.32		1454.7							
	OBS	00043	01.63	32.907	26.35		1454.5							

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REFID 31 8371	YEAR 1974	BOTDP 00042	AIR TEMP 10.5	DIR HGT PER	WIND-DIR 20	INST STD RECORDER	TEN SQ 1306
CONSEC 0010	MONTH 06	SHIP EV	WET BULB 08.5	34 2 3	WIND-SPD 08	TRACE DIR D	5 SQUARE 2
LAT 44 03.5N	DAY 12	DATA USE I	BAROMETR 1021.9	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 48
LONG 049 27.5W	HOUR 16.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 611	1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.83	32.66	25.87	00.000	1467.2							
16.8	OBS	00001	04.83	32.664	25.87		1467.2							
	OBS	00007	04.53	32.646	25.89		1466.0							
	STD	00010	04.48	32.66	25.90	00.021	1465.5							
	OBS	00011	04.44	32.674	25.91		1465.8							
	STD	00020	04.09	32.69	25.97	00.042	1464.5							
	OBS	00020	03.98	32.695	25.98		1464.0							
	OBS	00022	03.69	32.695	26.00		1462.8							
	OBS	00024	03.20	32.690	26.05		1460.7							
	OBS	00028	02.89	32.775	26.14		1459.6							
	STD	00030	02.87	32.78	26.15	00.062	1459.5							
	OBS	00030	02.86	32.786	26.15		1459.5							
	OBS	00038	02.82	32.777	26.15		1459.4							
	OBS	00040	02.82	32.780	26.15		1459.5							

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REFID 31 8371 YEAR 1974 BOTDP 00064 AIR TEMP 08.5 DIR HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1306
CONSEC 0011 MONTH 06 SHIP EV WET BULB 06.5 19 1 3 WIND-SPD 14 TRACE DIR D 5 SQUARE 2
LAT 44 46.5N DAY 13 DATA USE 1 BAROMETR 1023.8 SEA WIND-FOR DURATION 00.1 2 SQUARE 48
LONG 049 21.8W HOUR 06.8 AREA 05 CLOUD T/A CL/TR WEATHER X2 CRIG 011 612 1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.96	32.71	25.99	00.000	1463.6							
06.8	OBS	00000	03.96	32.710	25.99		1463.6							
	STD	00010	03.91	32.71	26.00	00.020	1463.6							
	OBS	00010	03.91	32.710	26.00		1463.6							
	OBS	00015	03.36	32.650	26.00		1461.2							
	STD	00020	03.30	32.73	26.07	00.040	1461.1							
	OBS	00020	03.30	32.730	26.07		1461.1							
	OBS	00025	03.21	32.750	26.10		1460.9							
	STD	00030	02.03	32.67	26.13	00.059	1455.7							
	OBS	00030	02.03	32.670	26.13		1455.7							
	OBS	00035	00.63	32.860	26.37		1449.8							
	OBS	00040	- 0.09	32.950	26.48		1446.7							
	STD	00050	- 0.56	33.07	26.60	00.093	1444.8							
	OBS	00050	- 0.56	33.070	26.60		1444.8							
	OBS	00055	- 0.80	33.140	26.66		1443.9							
	OBS	00057	- 0.81	33.150	26.67		1443.9							

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REFID 31 8371 YEAR 1974 BOTDP 00064 AIR TEMP 06.5 DIR HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1306
CONSEC 0012 MONTH 06 SHIP EV WET BULB 05.9 19 1 3 WIND-SPD 14 TRACE DIR D 5 SQUARE 2
LAT 44 45.5N DAY 13 DATA USE 1 BAROMETR 1023.8 SEA WIND-FOR DURATION 00.1 2 SQUARE 48
LONG 049 14.2W HOUR 07.9 AREA 05 CLOUD T/A CL/TR WEATHER X2 CRIG 011 613 1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.91	32.81	26.08	00.000	1463.5							
07.9	OBS	00000	03.91	32.810	26.08		1463.5							
	OBS	00005	03.92	32.810	26.08		1463.7							
	STD	00010	03.72	32.82	26.10	00.019	1462.9							
	OBS	00010	03.72	32.820	26.10		1462.9							
	OBS	00015	02.99	32.800	26.15		1459.8							
	STD	00020	02.86	32.81	26.17	00.038	1459.4							
	OBS	00020	02.86	32.810	26.17		1459.4							
	OBS	00025	02.38	32.780	26.19		1457.3							
	STD	00030	02.05	32.79	26.22	00.056	1455.9							
	OBS	00030	02.05	32.790	26.22		1455.9							
	OBS	00035	01.71	32.900	26.33		1454.7							
	OBS	00040	00.50	32.850	26.37		1449.3							
	OBS	00045	- 0.20	33.070	26.58		1446.4							
	STD	00050	- 0.33	33.05	26.57	00.089	1445.9							
	OBS	00050	- 0.33	33.050	26.57		1445.9							
	OBS	00055	- 1.05	33.130	26.66		1442.7							
	OBS	00060	- 1.09	33.150	26.68		1442.7							

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REFID 31 8371 YEAR 1974 BOTDP 00284 AIR TEMP DIR HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1306
CONSEC 0013 MONTH 06 SHIP EV WET BULB 19 2 2 WIND-SPD 72 TRACE DIR D 5 SQUARE 2
LAT 44 44.0N DAY 13 DATA USE 1 BAROMETR 1024.1 SEA WIND-FOR DURATION 00.1 2 SQUARE 48
LONG 049 03.0W HOUR 08.8 AREA 05 CLOUD T/A CL/TR WEATHER X2 CRIG 011 614 1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.52	32.78	26.10	00.000	1461.8							
08.8	OBS	00003	03.52	32.785	26.10		1461.9							
	OBS	00005	03.52	32.787	26.10		1461.9							
	STD	00010	03.16	32.77	26.12	00.019	1460.4							
	OBS	00013	02.96	32.765	26.13		1459.6							
	STD	00020	02.62	32.76	26.14	00.038	1459.1							
	OBS	00020	02.79	32.760	26.14		1459.0							
	STD	00030	02.66	32.75	26.15	00.057	1458.6							
	OBS	00032	02.25	32.750	26.18		1456.8							
	OBS	00034	01.82	32.720	26.18		1454.9							
	OBS	00040	- 0.52	32.910	26.47		1444.6							
	OBS	00043	- 0.86	32.910	26.48		1443.1							
	STD	00050	- 1.47	33.10	26.65	00.090	1440.6							
	OBS	00051	- 1.56	33.125	26.67		1440.3							
	OBS	00059	- 1.70	33.120	26.67		1439.7							
	STD	00075	- 1.67	33.23	26.76	00.123	1440.3							
	OBS	00076	- 1.67	33.230	26.76		1440.3							
	STD	00100	- 1.67	33.25	26.77	00.155	1440.7							
	OBS	00100	- 1.67	33.250	26.78		1440.7							
	STD	00125	- 1.58	33.38	26.88	00.186	1441.7							
	OBS	00125	- 1.58	33.380	26.88		1441.8							
	OBS	00140	- 1.44	33.410	26.90		1442.7							
	STD	00150	- 1.29	33.46	26.94	00.215	1443.6							
	OBS	00150	- 1.28	33.465	26.94		1443.7							
	OBS	00175	- 0.53	33.600	27.02		1447.8							
	OBS	00192	- 0.18	33.800	27.17		1450.0							
	OBS	00196	00.38	33.855	27.18		1452.7							
	STD	00200	01.22	33.93	27.19	00.265	1456.6							
	OBS	00201	01.56	33.960	27.19		1458.2							
	OBS	00211	02.92	34.105	27.20		1464.5							
	OBS	00228	02.36	34.150	27.28		1462.4							
	STD	00250	01.89	34.10	27.33	00.306	1460.8							
	OBS	00253	01.86	34.160	27.33		1460.7							
	OBS	00274	01.86	34.160	27.33		1461.0							

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REFID 31 8371	YEAR 1974	BOTDP 00252	AIR TEMP 07.3	DIR HGT PER	WIND-DIR 20	INST STD RECORDER	TEN SQ 1306
CONSEC 0014	MONTH 06	SHIP EV	WET BULB 06.8	19 2 2	WIND-SPD 12	TRACE DIR 0	5 SQUARE 2
LAT 44 41.0N	DAY 13	DATA USE I	BAROMETR 1025.0	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 48
LONG 048 56.3W	HOUR 12.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	CRIG 011 615	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.85	32.88	26.23	00.000	1459.1							
12.5	OBS	00001	02.85	32.875	26.23		1459.1							
	OBS	00009	02.83	32.870	26.22		1459.1							
	STD	00010	02.78	32.87	26.23	00.018	1458.9							
	OBS	00017	02.34	32.865	26.26		1457.1							
	STD	00020	02.33	32.87	26.26	00.036	1457.1							
	OBS	00020	02.33	32.870	26.26		1457.1							
	OBS	00026	02.02	32.876	26.29		1455.9							
	STD	00030	00.45	32.81	26.34	00.053	1448.8							
	OBS	00032	- 0.25	32.776	26.34		1445.6							
	OBS	00036	- 0.66	33.020	26.56		1444.1							
	OBS	00038	- 1.06	33.003	26.56		1442.2							
	OBS	00040	- 1.31	33.076	26.62		1441.2							
	STD	00050	- 1.59	33.11	26.66	00.084	1440.1							
	OBS	00051	- 1.62	33.120	26.67		1440.0							
	STD	00075	- 1.70	33.23	26.76	00.117	1440.2							
	OBS	00076	- 1.70	33.235	26.76		1440.2							
	OBS	00083	- 1.72	33.250	26.78		1440.2							
	STD	00100	- 1.69	33.26	26.79	00.149	1440.6							
	OBS	00100	- 1.69	33.265	26.79		1440.7							
	STD	00125	- 1.44	33.37	26.87	00.180	1442.4							
	OBS	00127	- 1.42	33.380	26.87		1442.5							
	OBS	00139	- 1.35	33.400	26.89		1443.1							
	OBS	00146	- 1.20	33.460	26.93		1444.0							
	STD	00150	- 1.13	33.46	26.93	00.209	1444.4							
	OBS	00152	- 1.09	33.460	26.93		1444.6							
	OBS	00175	- 0.92	33.565	27.01		1445.9							
	STD	00200	- 0.61	33.59	27.02	00.263	1447.8							
	OBS	00201	- 0.59	33.600	27.02		1448.0							
	OBS	00226	- 0.26	33.735	27.12		1450.1							
	OBS	00245	00.57	33.960	27.26		1454.5							
	STD	00250	00.59	33.96	27.25	00.309	1454.6							
	OBS	00251	00.59	33.950	27.25		1454.7							

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REFID 31 8371	YEAR 1974	BOTOP 02169	AIR TEMP 07.2	DIR HGT PER	WIND-DIR 14	INST STD RECORDER	TEN SQ 1306
CONSEC 0015	MONTH 06	SHIP EV	WET BULB 06.7	15 3 2	WIND-SPD 16	TRACE DIR D	5 SQUARE 2
LAT 44 40.5N	DAY 13	DATA USE 1	BAROMETR 1025.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 48.0W	HOUR 13.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 616	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.29	32.78	26.11	00.000	1460.8							
13.7	OBS	00000	03.29	32.780	26.11		1460.8							
	OBS	00007	03.24	32.770	26.11		1460.7							
	STD	00010	02.84	32.72	26.11	00.019	1459.0							
	OBS	00011	02.67	32.710	26.11		1458.3							
	OBS	00017	02.49	32.780	26.18		1457.7							
	OBS	00019	02.24	32.770	26.19		1456.6							
	STD	00020	01.89	32.74	26.20	00.038	1455.0							
	OBS	00020	01.59	32.730	26.21		1453.7							
	OBS	00026	- 0.11	32.915	26.45		1446.3							
	OBS	00028	- 0.29	33.020	26.54		1445.7							
	STD	00030	- 0.40	33.01	26.54	00.055	1445.2							
	OBS	00032	- 0.84	32.987	26.54		1443.1							
	OBS	00034	- 1.40	33.050	26.61		1440.6							
	OBS	00038	- 1.67	33.130	26.68		1439.5							
	OBS	00040	- 1.63	33.130	26.68		1439.8							
	OBS	00049	- 1.71	33.250	26.78		1439.7							
	STD	00050	- 1.70	33.25	26.78	00.082	1439.7							
	OBS	00051	- 1.69	33.250	26.78		1439.8							
	STD	00075	- 1.66	33.33	26.84	00.113	1440.5							
	OBS	00079	- 1.65	33.350	26.86		1440.6							
	STD	00100	- 1.17	33.45	26.92	00.143	1443.4							
	OBS	00100	- 1.15	33.455	26.93		1443.5							
	STD	00125	- 0.87	33.55	27.03	00.170	1445.4							
	OBS	00125	- 0.86	33.590	27.03		1445.4							
	STD	00150	- 0.66	33.60	27.02	00.196	1446.8							
	OBS	00150	- 0.66	33.597	27.03		1446.8							
	OBS	00175	- 0.52	33.620	27.04		1447.9							
	STD	00200	- 0.35	33.72	27.11	00.246	1449.2							
	OBS	00201	- 0.32	33.735	27.12		1449.4							
	OBS	00226	00.30	33.930	27.25		1452.9							
	STD	00250	00.63	34.05	27.33	00.288	1455.0							
	OBS	00251	00.71	34.060	27.33		1455.4							
	OBS	00257	01.16	34.090	27.33		1457.5							
	OBS	00260	01.12	34.110	27.34		1457.4							
	OBS	00266	01.33	34.145	27.36		1458.5							
	OBS	00270	01.25	34.150	27.37		1458.2							
	OBS	00279	02.36	34.280	27.39		1463.5							
	OBS	00283	02.46	34.285	27.38		1464.0							
	OBS	00289	01.86	34.260	27.41		1461.4							
	OBS	00297	01.48	34.240	27.42		1459.8							
	STD	00300	01.44	34.26	27.45	00.324	1459.7							
	OBS	00300	01.43	34.270	27.45		1459.7							
	OBS	00321	01.48	34.300	27.47		1460.3							
	OBS	00350	01.91	34.430	27.54		1462.9							
	OBS	00373	02.36	34.490	27.56		1465.3							
	OBS	00386	03.63	34.630	27.55		1471.2							
	STD	00400	03.67	34.62	27.54	00.386	1471.6							
	OBS	00401	03.68	34.620	27.54		1471.6							
	OBS	00403	03.67	34.620	27.54		1471.6							
	OBS	00413	03.85	34.725	27.60		1472.7							
	OBS	00426	04.33	34.780	27.60		1475.0							
	OBS	00451	03.90	34.770	27.64		1473.6							
	STD	00500	03.73	34.77	27.66	00.440	1473.7							
	OBS	00502	03.72	34.775	27.66		1473.7							
	OBS	00550	03.90	34.830	27.68		1475.3							
	STD	00600	03.97	34.85	27.69	00.488	1476.4							
	OBS	00603	03.97	34.850	27.69		1476.5							
	OBS	00651	03.90	34.830	27.68		1477.0							
	STD	00700	03.96	34.85	27.69	00.535	1478.0							
	OBS	00700	03.96	34.850	27.69		1478.1							
	OBS	00750	03.96	34.845	27.69		1478.9							
	STD	00800	03.92	34.86	27.70	00.583	1479.6							
	OBS	00803	03.92	34.860	27.70		1479.6							
	OBS	00854	03.85	34.860	27.71		1480.2							
	STD	00900	03.79	34.86	27.72	00.630	1480.7							
	OBS	00900	03.79	34.864	27.72		1480.7							
	OBS	00951	03.74	34.850	27.72		1481.3							
	STD	01000	03.72	34.85	27.72	00.677	1482.0							
	OBS	01001	03.72	34.850	27.72		1482.1							
	OBS	01026	03.71	34.850	27.72		1482.4							

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REFID 31 8371	YEAR 1974	BOTDP 03065	AIR TEMP 08.1	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1306
CONSEC 0016	MONTH 06	SHIP EV	WET BULB 06.5	29 1 2	WIND-SPD 14	TRACE DIR D	5 SQUARE 2
LAT 44 32.0N	DAY 13	DATA USE 1	BAROMETR 1024.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 18.0W	HOUR 16.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 617	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.16	32.91	26.23	00.000	1460.5							
16.4	OBS	00001	03.16	32.907	26.23		1460.5							
	STD	00010	02.77	32.90	26.25	00.018	1458.9							
	OBS	00011	02.72	32.900	26.26		1458.7							
	STD	00020	02.54	32.91	26.28	00.036	1458.1							
	OBS	00020	02.51	32.910	26.28		1458.0							
	OBS	00022	02.43	32.905	26.28		1457.7							
	OBS	00024	01.70	32.900	26.34		1454.5							
	STD	00030	- 0.21	33.07	26.56	00.052	1446.1							
	OBS	00030	- 0.37	33.070	26.59		1445.4							
	OBS	00032	- 0.95	33.060	26.60		1442.7							
	OBS	00034	- 1.34	33.120	26.66		1441.0							
	OBS	00045	- 1.63	33.250	26.78		1440.0							
	STD	00050	- 1.57	33.31	26.82	00.079	1440.5							
	OBS	00051	- 1.55	33.327	26.84		1440.6							
	STD	00075	- 1.49	33.37	26.87	00.109	1441.3							
	OBS	00078	- 1.42	33.400	26.89		1441.8							
	OBS	00081	- 1.31	33.450	26.93		1442.4							
	OBS	00085	- 0.77	33.480	26.93		1445.0							
	OBS	00093	- 0.93	33.480	26.94		1444.4							
	OBS	00097	- 0.77	33.610	27.04		1445.4							
	STD	00100	- 0.60	33.68	27.09	00.136	1446.4							
	OBS	00102	- 0.47	33.720	27.12		1447.0							
	OBS	00106	- 0.36	33.740	27.13		1447.6							
	OBS	00114	- 0.07	33.800	27.16		1449.2							
	STD	00125	00.23	33.89	27.22	00.159	1450.9							
	OBS	00125	00.25	33.900	27.23		1451.0							
	STD	00150	01.00	34.08	27.33	00.179	1455.0							
	OBS	00150	01.01	34.085	27.33		1455.1							
	OBS	00177	01.16	34.160	27.38		1456.3							
	STD	00200	01.52	34.26	27.44	00.214	1458.4							
	OBS	00203	01.56	34.270	27.44		1458.7							
	OBS	00226	01.75	34.300	27.45		1459.9							
	STD	00250	02.03	34.44	27.54	00.245	1461.7							
	OBS	00251	02.04	34.440	27.54		1461.8							
	OBS	00276	02.18	34.480	27.56		1462.9							
	STD	00300	02.39	34.50	27.56	00.273	1464.2							
	OBS	00300	02.40	34.500	27.56		1464.3							
	OBS	00336	02.59	34.510	27.55		1465.7							
	OBS	00361	04.71	34.830	27.60		1475.5							
	STD	00400	04.74	34.85	27.61	00.327	1476.3							
	OBS	00401	04.74	34.850	27.61		1476.4							
	OBS	00451	04.69	34.850	27.61		1477.0							
	STD	00500	04.62	34.86	27.63	00.381	1477.5							
	OBS	00500	04.62	34.860	27.63		1477.5							
	OBS	00519	04.55	34.860	27.64		1477.5							
	STD	00600	04.41	34.85	27.65	00.433	1478.3							
	OBS	00658	04.30	34.850	27.66		1478.8							
	OBS	00662	04.26	34.850	27.66		1478.7							
	STD	00700	04.15	34.85	27.66	00.484	1478.8							
	OBS	00715	04.11	34.830	27.66		1478.9							
	OBS	00750	04.02	34.845	27.68		1479.1							
	STD	00800	04.01	34.84	27.68	00.535	1479.9							
	OBS	00801	04.01	34.840	27.68		1479.9							
	OBS	00850	03.99	34.840	27.68		1480.7							
	STD	00900	03.97	34.83	27.68	00.586	1481.4							
	OBS	00900	03.97	34.830	27.68		1481.4							
	OBS	00951	03.92	34.840	27.69		1482.1							
	STD	01000	03.81	34.83	27.69	00.636	1482.4							
	OBS	01001	03.81	34.830	27.69		1482.4							
	OBS	01020	03.79	34.830	27.69		1482.6							

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REFID 31 8371	YEAR 1974	BOTDP 02658	AIR TEMP 07.4	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CONSEC 0017	MONTH 06	SHIP EV	WET BULB 06.7	23 1 2	WIND-SPD 03	TRACE DIR D	5 SQUARE 2
LAT 44 27.0N	DAY 13	DATA USE I	BAROMETR 1027.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 46.8W	HOUR 19.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 618	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	10.25	34.27	26.36	00.000	1490.4							
19.8	OBS	00003	10.25	34.270	26.36		1490.4							
	STD	00010	10.27	34.29	26.38	00.017	1490.6							
	OBS	00011	10.27	34.300	26.38		1490.7							
	OBS	00013	10.22	34.287	26.38		1490.5							
	OBS	00015	09.87	34.270	26.42		1489.2							
	OBS	00019	09.65	34.247	26.44		1488.5							
	STD	00020	09.65	34.26	26.45	00.033	1488.5							
	OBS	00020	09.65	34.270	26.46		1488.5							
	OBS	00026	09.75	34.290	26.46		1489.0							
	OBS	00028	10.13	34.572	26.62		1490.8							
	STD	00030	10.64	34.69	26.62	00.048	1492.8							
	OBS	00030	10.78	34.730	26.62		1493.4							
	OBS	00032	11.16	34.830	26.63		1494.9							
	OBS	00036	12.30	35.186	26.69		1499.3							
	OBS	00045	13.22	35.465	26.73		1502.9							
	STD	00050	13.28	35.46	26.71	00.076	1503.2							
	OBS	00051	13.29	35.465	26.71		1503.3							
	STD	00075	13.15	35.46	26.74	00.110	1503.2							
	OBS	00076	13.14	35.460	26.74		1503.2							
	OBS	00081	13.06	35.465	26.76		1503.0							
	OBS	00085	12.62	35.397	26.79		1501.5							
	OBS	00091	12.78	35.512	26.85		1502.3							
	OBS	00095	12.39	35.420	26.86		1500.9							
	STD	00100	10.75	35.00	26.84	00.142	1494.7							
	OBS	00102	09.96	34.840	26.85		1491.7							
	OBS	00104	09.49	34.763	26.87		1489.9							
	OBS	00114	08.74	34.757	26.99		1487.3							
	STD	00125	08.61	34.77	27.02	00.171	1487.0							
	OBS	00125	08.60	34.775	27.02		1487.0							
	OBS	00139	08.37	34.780	27.07		1486.3							
	OBS	00146	08.55	34.837	27.08		1487.2							
	OBS	00148	08.58	34.855	27.09		1487.4							
	STD	00150	08.65	34.87	27.09	00.197	1487.7							
	OBS	00154	08.77	34.910	27.10		1488.3							
	OBS	00161	08.63	34.930	27.14		1487.9							
	OBS	00173	08.73	34.967	27.16		1488.5							
	OBS	00175	08.58	34.940	27.16		1487.9							
	STD	00200	08.23	34.94	27.21	00.244	1487.0							
	OBS	00205	08.15	34.940	27.22		1486.8							
	OBS	00207	08.18	34.960	27.24		1487.0							
	OBS	00211	08.45	34.990	27.22		1488.1							
	OBS	00217	08.19	34.960	27.23		1487.2							
	OBS	00222	07.48	34.850	27.25		1484.4							
	OBS	00226	07.41	34.830	27.25		1484.1							
	OBS	00230	07.43	34.930	27.32		1484.4							
	OBS	00241	07.81	34.990	27.31		1486.2							
	STD	00250	07.56	34.98	27.34	00.287	1485.3							
	OBS	00251	07.54	34.980	27.35		1485.3							
	OBS	00262	07.54	34.970	27.34		1485.4							
	OBS	00272	06.66	34.813	27.34		1481.9							
	OBS	00276	06.55	34.850	27.38		1481.6							
	OBS	00297	06.45	34.850	27.40		1481.6							
	OBS	00298	05.80	34.770	27.42		1478.9							
	STD	00300	05.75	34.76	27.42	00.324	1478.7							
	OBS	00300	05.71	34.760	27.42		1478.5							
	OBS	00304	05.46	34.750	27.44		1477.6							
	OBS	00314	04.94	34.730	27.49		1475.6							
	OBS	00317	05.03	34.740	27.49		1476.0							
	OBS	00319	05.26	34.780	27.49		1477.0							
	OBS	00325	05.55	34.860	27.52		1478.4							
	OBS	00340	05.30	34.830	27.53		1477.6							
	OBS	00350	05.19	34.840	27.55		1477.3							
	STD	00400	05.05	34.83	27.56	00.389	1477.6							
	OBS	00403	05.03	34.830	27.56		1477.6							
	OBS	00426	04.92	34.845	27.58		1477.5							
	OBS	00439	05.17	34.930	27.62		1478.9							
	OBS	00454	05.10	34.960	27.65		1478.9							
	STD	00500	04.85	34.95	27.67	00.443	1478.6							
	OBS	00500	04.85	34.950	27.67		1478.6							
	OBS	00550	04.65	34.940	27.69		1478.6							
	STD	00600	04.65	34.96	27.70	00.490	1479.4							
	OBS	00601	04.64	34.960	27.71		1479.4							
	OBS	00614	04.56	34.930	27.69		1479.2							
	OBS	00666	04.17	34.900	27.71		1478.4							
	STD	00700	04.38	34.95	27.73	00.536	1479.9							
	OBS	00700	04.38	34.950	27.73		1479.9							
	OBS	00750	04.30	34.945	27.73		1480.4							
	STD	00800	04.17	34.94	27.74	00.581	1480.7							
	OBS	00801	04.17	34.940	27.74		1480.7							
	OBS	00850	04.28	34.960	27.75		1482.0							
	STD	00900	04.26	34.97	27.76	00.625	1482.8							
	OBS	00900	04.26	34.970	27.76		1482.8							
	OBS	00951	04.11	34.950	27.76		1483.0							
	OBS	00999	03.88	34.930	27.76		1482.8							
	STD	01000	03.89	34.93	27.76	00.669	1482.8							
	OBS	01001	03.90	34.930	27.76		1482.9							
	OBS	01022	03.94	34.940	27.77		1483.4							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID .31 8371 YEAR 1974 BOTDP 03831 AIR TEMP 10.8 DIR HGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1306
CONSEC 0018 MONTH 06 SHIP EV WET BULB 10.2 30 0 2 WIND-SPD 05 TRACE DIR D 5 SQUARE 2
LAT 44 22.0N DAY 13 DATA USE 1 BAROMETR 1029.5 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 047 14.9W HOUR 23.1 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 619 1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	10.71	34.42	26.40	00.000	1492.2							
23.1	OBS	00001	10.71	34.42	26.40		1492.2							
	OBS	00007	10.44	34.35	26.39		1491.3							
	STD	00010	10.24	34.36	26.43	00.016	1490.6							
	OBS	00011	10.16	34.37	26.45		1490.3							
	STD	00020	10.31	34.39	26.44	00.032	1491.1							
	OBS	00020	10.33	34.40	26.45		1491.2							
	OBS	00022	10.18	34.41	26.49		1490.7							
	OBS	00024	10.25	34.48	26.53		1491.0							
	OBS	00028	10.78	34.73	26.62		1493.3							
	STD	00030	10.92	34.74	26.61	00.047	1493.9							
	OBS	00030	10.96	34.75	26.61		1494.0							
	OBS	00036	11.05	34.79	26.63		1494.5							
	OBS	00041	11.55	35.04	26.65		1498.0							
	STD	00050	11.57	35.07	26.67	00.076	1498.3							
	OBS	00051	11.99	35.08	26.68		1498.4							
	OBS	00066	12.64	35.35	26.75		1501.2							
	STD	00075	12.48	35.32	26.76	00.110	1500.8							
	OBS	00076	12.46	35.32	26.77		1500.7							
	STD	00100	11.92	35.32	26.87	00.141	1499.2							
	OBS	00100	11.91	35.31	26.87		1499.2							
	OBS	00116	11.85	35.37	26.93		1499.3							
	STD	00125	11.62	35.32	26.93	00.171	1498.6							
	OBS	00125	11.60	35.32	26.93		1498.5							
	OBS	00133	11.24	35.29	26.98		1497.4							
	OBS	00140	10.75	35.18	26.99		1495.6							
	OBS	00148	10.49	35.18	27.03		1494.8							
	STD	00150	10.39	35.15	27.02	00.199	1494.4							
	OBS	00154	09.97	35.04	27.01		1492.9							
	OBS	00159	09.12	34.88	27.02		1489.6							
	OBS	00175	07.82	34.76	27.13		1484.8							
	OBS	00196	07.63	34.78	27.18		1484.4							
	STD	00200	07.89	34.84	27.18	00.249	1485.6							
	OBS	00201	07.99	34.86	27.19		1486.0							
	OBS	00218	08.07	34.88	27.19		1486.6							
	OBS	00224	07.79	34.83	27.20		1485.6							
	OBS	00228	07.18	34.74	27.21		1483.2							
	OBS	00234	07.04	34.78	27.26		1482.8							
	OBS	00243	07.82	34.95	27.28		1486.2							
	OBS	00247	07.97	34.99	27.29		1486.9							
	STD	00250	08.22	35.05	27.30	00.293	1487.9							
	OBS	00251	08.29	35.07	27.30		1488.2							
	OBS	00260	07.68	34.95	27.30		1485.9							
	OBS	00266	07.54	34.94	27.32		1485.5							
	OBS	00276	07.93	34.99	27.30		1487.2							
	OBS	00295	07.25	34.93	27.35		1484.8							
	STD	00300	06.14	34.73	27.35	00.334	1480.2							
	OBS	00300	06.07	34.73	27.35		1479.9							
	OBS	00302	06.02	34.75	27.37		1479.8							
	OBS	00308	05.33	34.63	27.36		1476.9							
	OBS	00350	05.07	34.77	27.51		1476.8							
	OBS	00354	05.02	34.77	27.51		1476.6							
	OBS	00361	04.39	34.68	27.52		1474.0							
	OBS	00376	04.72	34.76	27.54		1475.8							
	OBS	00388	04.99	34.81	27.55		1477.1							
	OBS	00397	04.73	34.77	27.55		1476.1							
	STD	00400	04.73	34.78	27.55	00.402	1476.2							
	OBS	00401	04.73	34.78	27.55		1476.2							
	OBS	00420	04.37	34.77	27.59		1475.0							
	OBS	00447	04.24	34.78	27.61		1474.9							
	OBS	00451	04.17	34.77	27.61		1474.7							
	OBS	00464	04.13	34.78	27.62		1474.8							
	OBS	00474	03.83	34.74	27.62		1473.6							
	OBS	00489	03.58	34.75	27.65		1472.8							
	STD	00500	03.68	34.76	27.65	00.457	1473.4							
	OBS	00502	03.83	34.78	27.65		1474.1							
	OBS	00508	04.35	34.85	27.65		1476.5							
	OBS	00550	04.65	34.93	27.68		1478.5							
	OBS	00578	04.64	34.94	27.69		1479.0							
	OBS	00595	04.97	34.97	27.68		1480.7							
	STD	00600	04.94	34.97	27.68	00.506	1480.6							
	OBS	00605	04.90	34.97	27.68		1480.5							
	OBS	00651	04.78	34.98	27.71		1480.8							
	STD	00700	04.65	34.97	27.71	00.554	1481.1							
	OBS	00700	04.65	34.97	27.71		1481.1							
	OBS	00753	04.70	34.96	27.70		1482.2							
	STD	00800	04.62	34.99	27.73	00.601	1482.7							
	OBS	00801	04.62	34.99	27.73		1482.7							
	OBS	00850	04.52	34.98	27.74		1483.1							
	STD	00900	04.42	34.98	27.75	00.647	1483.5							
	OBS	00900	04.42	34.98	27.75		1483.5							
	OBS	00951	04.34	34.97	27.75		1484.0							
	STD	01000	04.22	34.96	27.75	00.692	1484.3							
	OBS	01003	04.22	34.96	27.75		1484.3							
	OBS	01022	04.22	34.97	27.76		1484.7							

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REFID 31 8371	YEAR 1974	BOTDP 03891	AIR TEMP 09.7	DIR HGT PER	WIND-DIR 00	INST STD RECORDER	TEN SQ 1306
CONSEC 0019	MONTH 06	SHIP EV	WET BULB 09.0	00 0 X	WIND-SPD 00	TRACE DIR D	5 SQUARE 2
LAT 44 14.5N	DAY 14	DATA USE 1	BAROMETR 1029.4	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 046 40.3W	HOUR 02.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X0	ORIG 011 620	1 SQUARE 46

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	08.16	33.12	25.80	00.000	1481.1							
02.2	OBS	00003	08.16	33.120	25.80		1481.2							
	STD	00010	08.13	33.12	25.80	00.022	1481.1							
	OBS	00011	08.12	33.120	25.80		1481.1							
	STD	00020	08.04	33.12	25.81	00.044	1481.0							
	OBS	00020	07.97	33.120	25.82		1480.7							
	OBS	00024	07.55	33.047	25.83		1479.0							
	OBS	00028	06.30	33.186	26.10		1474.3							
	STD	00030	06.17	33.20	26.13	00.065	1473.9							
	OBS	00030	06.12	33.205	26.14		1473.7							
	OBS	00032	05.90	33.455	26.37		1473.2							
	OBS	00034	06.02	33.460	26.36		1473.7							
	OBS	00036	06.05	33.470	26.36		1473.8							
	OBS	00038	06.29	33.700	26.51		1475.1							
	OBS	00041	06.38	33.715	26.51		1475.6							
	OBS	00043	05.42	33.580	26.52		1471.6							
	OBS	00047	04.09	33.413	26.54		1465.9							
	OBS	00049	03.36	33.436	26.62		1462.8							
	STD	00050	03.19	33.44	26.65	00.098	1462.1							
	OBS	00051	03.08	33.480	26.69		1461.7							
	OBS	00053	03.76	33.776	26.85		1465.1							
	OBS	00057	03.98	33.863	26.91		1466.2							
	OBS	00059	04.48	34.005	26.97		1468.5							
	OBS	00070	03.29	33.985	27.07		1463.6							
	OBS	00072	03.69	34.040	27.08		1465.4							
	STD	00075	04.60	34.17	27.09	00.127	1469.5							
	OBS	00078	05.11	34.260	27.10		1471.6							
	OBS	00079	05.16	34.280	27.11		1472.0							
	OBS	00081	05.64	34.350	27.11		1474.1							
	STD	00100	05.90	34.42	27.13	00.152	1475.5							
	OBS	00102	05.97	34.430	27.13		1475.9							
	OBS	00119	06.60	34.540	27.13		1478.8							
	OBS	00123	06.96	34.597	27.13		1480.4							
	STD	00125	07.03	34.61	27.13	00.176	1480.7							
	OBS	00127	07.13	34.620	27.12		1481.2							
	OBS	00133	07.11	34.620	27.13		1481.2							
	STD	00150	06.56	34.53	27.13	00.200	1479.2							
	OBS	00150	06.56	34.530	27.13		1479.2							
	OBS	00156	06.55	34.547	27.14		1479.2							
	OBS	00159	06.91	34.625	27.16		1480.8							
	OBS	00161	06.95	34.635	27.16		1481.0							
	OBS	00167	04.76	34.277	27.15		1471.8							
	OBS	00173	04.65	34.286	27.17		1471.5							
	OBS	00175	03.69	34.250	27.24		1467.4							
	STD	00200	03.67	34.28	27.27	00.245	1467.8							
	OBS	00201	03.67	34.280	27.27		1467.8							
	OBS	00203	03.67	34.270	27.26		1467.8							
	OBS	00207	03.16	34.213	27.26		1465.6							
	OBS	00211	03.24	34.240	27.28		1466.1							
	OBS	00218	03.15	34.245	27.29		1465.8							
	OBS	00226	03.82	34.355	27.31		1469.0							
	OBS	00234	04.35	34.430	27.32		1471.4							
	OBS	00243	04.55	34.510	27.36		1472.5							
	STD	00250	04.70	34.51	27.34	00.285	1473.3							
	OBS	00255	04.77	34.533	27.35		1473.6							
	OBS	00260	04.78	34.580	27.39		1473.8							
	OBS	00264	04.37	34.500	27.37		1472.1							
	OBS	00276	04.17	34.507	27.40		1471.4							
	OBS	00293	04.43	34.600	27.44		1472.9							
	STD	00300	04.74	34.62	27.42	00.322	1474.4							
	OBS	00314	04.99	34.667	27.43		1475.7							
	OBS	00329	04.69	34.740	27.53		1474.8							
	OBS	00333	05.38	34.837	27.52		1477.8							
	OBS	00336	05.49	34.847	27.52		1478.4							
	OBS	00365	05.71	34.860	27.50		1479.7							
	STD	00400	05.68	34.85	27.50	00.389	1480.2							
	OBS	00403	05.66	34.850	27.50		1480.1							
	OBS	00451	04.94	34.840	27.58		1478.0							
	OBS	00472	04.75	34.850	27.61		1477.6							
	STD	00500	05.52	34.96	27.60	00.450	1481.3							
	OBS	00519	05.64	34.990	27.61		1482.2							
	OBS	00550	05.12	34.960	27.65		1480.5							
	STD	00600	05.02	34.99	27.69	00.502	1481.0							
	OBS	00601	05.01	34.990	27.65		1481.0							
	OBS	00651	04.57	34.967	27.72		1479.9							
	STD	00700	04.43	34.97	27.73	00.549	1460.2							
	OBS	00700	04.43	34.965	27.73		1480.2							
	OBS	00750	04.37	34.970	27.74		1480.8							
	STD	00800	04.30	34.97	27.75	00.594	1481.3							
	OBS	00801	04.30	34.970	27.75		1481.3							
	OBS	00850	04.12	34.960	27.76		1481.4							
	STD	00900	04.33	34.98	27.76	00.638	1483.1							
	OBS	00900	04.33	34.980	27.76		1483.1							
	OBS	00951	04.35	34.980	27.75		1484.0							
	STD	01000	04.33	34.98	27.76	00.683	1484.8							
	OBS	01001	04.33	34.980	27.76		1464.8							
	OBS	01020	04.31	34.984	27.76		1485.0							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID 31 8371 YEAR 1974 BOTDP 03860 AIR TEMP 12.0 DIR HGT PER WIND-DIR 33 INST STD RECORDER TEN SQ 1306
CONSEC 0020 MONTH 06 SHIP EV WET BULB 10.1 00 Q X WIND-SPD 04 TRACE DIR D 5 SQUARE 2
LAT 44 08.8N DAY 14 DATA USE 1 BAROMETR 1028.9 SEA WIND-FOR DURATION 00.7 2 SQUARE 46
LONG 046 08.4W HOUR 05.8 AREA 05 CLOUD T/A CL/TR WEATHER X2 CRIG 011 621 1 SQUARE 46

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	10.22	33.01	25.38	00.000	1488.6							
05.8	OBS	00000	10.22	33.010	25.38		1488.6							
	OBS	00003	10.21	33.020	25.39		1488.7							
	OBS	00005	09.66	32.900	25.39		1486.5							
	OBS	00007	09.50	32.960	25.46		1486.1							
	STD	00010	09.60	33.07	25.54	00.025	1486.6							
	OBS	00011	09.61	33.120	25.57		1486.7							
	OBS	00019	09.12	33.090	25.63		1485.0							
	STD	00020	08.92	33.12	25.68	00.049	1484.3							
	OBS	00022	08.47	33.180	25.80		1482.7							
	OBS	00028	08.01	33.120	25.82		1481.0							
	STD	00030	07.24	33.06	25.88	00.071	1477.9							
	OBS	00030	07.01	33.050	25.90		1477.0							
	OBS	00036	06.07	33.270	26.20		1473.7							
	OBS	00040	06.16	33.350	26.25		1474.2							
	OBS	00043	05.61	33.290	26.27		1472.0							
	OBS	00047	05.19	33.370	26.38		1470.4							
	STD	00050	05.48	33.54	26.49	00.108	1471.9							
	OBS	00051	05.59	33.600	26.52		1472.4							
	OBS	00055	05.68	33.610	26.52		1472.8							
	OBS	00059	06.18	33.820	26.62		1475.2							
	OBS	00072	03.22	33.470	26.67		1462.7							
	OBS	00074	03.68	33.580	26.71		1464.8							
	STD	00075	03.68	33.57	26.70	00.145	1464.8							
	OBS	00076	03.69	33.570	26.70		1464.9							
	OBS	00078	03.75	33.600	26.72		1465.2							
	OBS	00081	04.31	33.720	26.76		1467.8							
	OBS	00085	04.75	33.800	26.77		1469.8							
	OBS	00087	04.50	33.770	26.78		1468.7							
	OBS	00091	04.54	33.836	26.83		1469.1							
	OBS	00093	05.08	33.960	26.86		1471.5							
	OBS	00095	05.92	34.080	26.86		1475.1							
	OBS	00099	05.07	33.947	26.86		1471.5							
	STD	00100	05.02	33.94	26.86	00.177	1471.4							
	OBS	00100	05.02	33.943	26.86		1471.3							
	OBS	00102	05.12	33.995	26.89		1471.9							
	OBS	00106	05.73	34.090	26.89		1474.5							
	OBS	00108	05.71	34.086	26.89		1474.5							
	STD	00125	05.90	34.23	26.98	00.206	1475.7							
	OBS	00125	05.93	34.240	26.98		1475.9							
	OBS	00129	06.13	34.290	27.00		1476.8							
	OBS	00133	06.86	34.440	27.02		1479.9							
	OBS	00139	06.84	34.435	27.02		1480.0							
	OBS	00144	07.83	34.634	27.03		1484.2							
	OBS	00146	07.94	34.655	27.03		1484.6							
	STD	00150	08.33	34.74	27.04	00.233	1486.3							
	OBS	00152	08.53	34.785	27.04		1487.2							
	OBS	00161	08.76	34.845	27.05		1488.3							
	OBS	00165	08.04	34.720	27.07		1485.4							
	OBS	00171	07.98	34.745	27.10		1485.3							
	OBS	00180	06.32	34.440	27.09		1478.6							
	OBS	00184	06.35	34.500	27.13		1478.8							
	OBS	00190	06.05	34.467	27.15		1477.7							
	OBS	00194	06.30	34.505	27.14		1478.8							
	OBS	00198	06.33	34.506	27.14		1479.0							
	STD	00200	06.50	34.54	27.15	00.283	1479.8							
	OBS	00201	06.64	34.580	27.16		1480.4							
	OBS	00226	06.79	34.640	27.19		1481.5							
	STD	00250	06.71	34.64	27.19	00.330	1481.6							
	OBS	00253	06.69	34.635	27.19		1481.5							
	OBS	00270	06.50	34.650	27.23		1481.1							
	OBS	00281	06.79	34.740	27.26		1482.5							
	OBS	00287	06.77	34.770	27.29		1482.6							
	STD	00300	06.29	34.68	27.29	00.374	1480.8							
	OBS	00308	06.05	34.650	27.29		1479.9							
	OBS	00329	05.73	34.645	27.33		1478.9							
	OBS	00352	05.01	34.560	27.35		1476.3							
	OBS	00357	05.37	34.630	27.36		1477.9							
	OBS	00373	04.96	34.600	27.38		1476.5							
	STD	00400	04.99	34.64	27.41	00.452	1477.1							
	OBS	00401	05.01	34.650	27.42		1477.2							
	OBS	00405	05.06	34.690	27.44		1477.5							
	OBS	00415	05.84	34.835	27.46		1481.0							
	OBS	00416	05.96	34.850	27.46		1481.6							
	OBS	00424	06.57	34.975	27.48		1484.3							
	OBS	00451	06.64	34.990	27.48		1485.0							
	OBS	00493	06.08	34.963	27.53		1483.5							
	STD	00500	05.44	34.88	27.55	00.519	1480.9							
	OBS	00504	05.20	34.850	27.55		1479.9							
	OBS	00517	05.21	34.852	27.56		1480.2							
	OBS	00534	05.69	34.975	27.59		1482.6							
	OBS	00536	05.76	34.980	27.59		1482.9							
	OBS	00550	05.90 P	34.970	27.560*									
	STD	00600	05.74	34.98	27.59	00.579	1483.9							
	OBS	00603	05.71	34.980	27.59		1483.8							
	OBS	00651	04.98	34.970	27.68		1481.6							
	STD	00700	04.57	34.93	27.69	00.633	1480.7							
	OBS	00700	04.57	34.930	27.69		1480.7							
	OBS	00750	04.78	34.990	27.71		1482.5							
	STD	00800	04.85	34.98	27.70	00.683	1483.6							
	OBS	00801	04.85	34.980	27.70		1483.6							
	OBS	00850	04.84	34.970	27.69		1484.4							
	STD	00900	04.55	34.97	27.72	00.731	1484.0							
	OBS	00900	04.55	34.970	27.72		1484.0							
	OBS	00951	04.57	34.990	27.74		1485.0							
	STD	01000	04.37	34.96	27.74	00.779	1484.9							
	OBS	01001	04.37	34.960	27.74		1484.9							
	OBS	01029	04.38	34.970	27.74		1485.5							

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REFID 31 8371	YEAR 1974	BOTDP 03700	AIR TEMP 10.2	DIR HGT PER	WIND-DIR 31	INST STD RECORDER	TEN SQ 1306
CONSEC 0021	MONTH 06	SHIP EV	WET BULB 09.5	00 0 X	WIND-SPD 04	TRACE DIR D	5 SQUARE 2
LAT 44 32.3N	DAY 14	DATA USE 1	BAROMETR 1029.8	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 046 04.2W	HOUR 09.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG 011 622	1 SQUARE 46

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	07.16	33.01	25.85	00.000	1477.1							
09.2	OBS	00000	07.16	33.007	25.85		1477.1							
	OBS	00003	06.97	33.007	25.88		1476.4							
	OBS	00007	06.51	32.920	25.87		1474.5							
	OBS	00009	06.36	32.960	25.92		1474.0							
	STD	00010	06.25	32.95	25.92	00.021	1473.5							
	OBS	00011	05.99	32.925	25.94		1472.5							
	OBS	00013	05.76	32.910	25.95		1471.6							
	OBS	00019	05.70	33.041	26.07		1471.6							
	STD	00020	05.56	33.04	26.08	00.041	1471.0							
	OBS	00020	05.44	33.035	26.09		1470.5							
	OBS	00024	05.05	33.050	26.15		1469.0							
	OBS	00026	04.44	33.096	26.25		1466.6							
	OBS	00028	04.35	33.123	26.28		1466.3							
	STD	00030	04.13	33.12	26.30	00.060	1465.4							
	OBS	00030	04.02	33.120	26.31		1464.9							
	OBS	00032	03.42	33.136	26.38		1462.4							
	OBS	00034	03.17	33.157	26.42		1461.4							
	OBS	00036	02.18	33.120	26.48		1457.1							
	OBS	00038	01.63	33.096	26.50		1454.6							
	OBS	00040	01.31	33.100	26.52		1453.3							
	OBS	00041	01.26	33.295	26.68		1453.3							
	OBS	00045	02.63	33.425	26.68		1459.6							
	OBS	00047	02.43	33.450	26.72		1458.8							
	OBS	00049	02.45	33.600	26.84		1459.1							
	STD	00050	02.61	33.62	26.84	00.089	1459.9							
	OBS	00053	03.45	33.753	26.87		1463.7							
	OBS	00055	03.78	33.805	26.88		1465.2							
	OBS	00057	04.34	33.947	26.94		1467.9							
	OBS	00059	04.52	34.015	26.97		1468.7							
	OBS	00066	06.13	34.285	26.99		1475.7							
	OBS	00072	06.37	34.330	27.00		1476.9							
	STD	00075	06.27	34.31	27.00	00.118	1476.5							
	OBS	00078	06.16	34.297	27.00		1476.1							
	OBS	00089	05.68	34.250	27.02		1474.3							
	OBS	00095	05.12	34.160	27.02		1472.0							
	STD	00100	04.96	34.16	27.03	00.145	1471.4							
	OBS	00100	04.93	34.155	27.04		1471.3							
	OBS	00102	04.87	34.150	27.04		1471.0							
	OBS	00104	04.59	34.135	27.06		1469.9							
	OBS	00108	04.48	34.140	27.07		1469.5							
	OBS	00110	04.66	34.150	27.06		1470.3							
	OBS	00114	04.64	34.137	27.05		1470.2							
	OBS	00118	04.16	34.070	27.05		1468.2							
	STD	00125	04.26	34.15	27.11	00.170	1468.9							
	OBS	00125	04.27	34.157	27.11		1468.9							
	STD	00150	04.19	34.17	27.13	00.194	1469.0							
	OBS	00150	04.19	34.170	27.13		1469.0							
	OBS	00163	04.42	34.285	27.20		1470.3							
	OBS	00167	04.05	34.250	27.21		1468.8							
	OBS	00169	04.40	34.300	27.21		1470.4							
	OBS	00175	04.05	34.265	27.22		1469.0							
	OBS	00180	04.41	34.310	27.22		1470.6							
	STD	00200	05.42	34.48	27.24	00.240	1475.3							
	OBS	00205	05.51	34.504	27.24		1475.8							
	OBS	00218	05.37	34.490	27.25		1475.4							
	OBS	00226	05.51	34.510	27.25		1476.2							
	STD	00250	05.49	34.64	27.35	00.281	1476.7							
	OBS	00251	05.49	34.645	27.36		1476.7							
	OBS	00268	05.58	34.705	27.39		1477.4							
	OBS	00272	06.00	34.760	27.38		1479.2							
	OBS	00276	06.05	34.760	27.38		1479.5							
	OBS	00283	06.12	34.827	27.42		1480.0							
	OBS	00289	05.59	34.740	27.42		1477.8							
	STD	00300	05.58	34.74	27.42	00.317	1478.0							
	OBS	00300	05.58	34.745	27.43		1478.0							
	OBS	00306	05.59	34.765	27.44		1478.2							
	OBS	00319	07.14	35.027	27.44		1484.9							
	OBS	00329	07.36	35.070	27.44		1486.0							
	OBS	00348	06.88	34.970	27.43		1484.3							
	OBS	00350	06.84	34.975	27.44		1484.1							
	OBS	00354	06.71	34.965	27.45		1483.7							
	OBS	00357	06.36	34.940	27.48		1482.3							
	OBS	00363	06.30	34.950	27.50		1482.2							
	OBS	00376	05.40	34.78 P	27.47Q*									
	OBS	00382	05.16	34.770	27.50		1477.7							
	STD	00400	05.25	34.82	27.53	00.383	1478.4							
	OBS	00403	05.26	34.830	27.53		1478.5							
	OBS	00447	05.19	34.815	27.53		1478.9							
	OBS	00454	04.78	34.785	27.55		1477.3							
	STD	00500	04.37	34.83	27.63	00.440	1476.4							
	OBS	00502	04.35	34.835	27.64		1476.4							
	OBS	00550	05.04	34.990	27.68		1480.2							
	STD	00600	04.90	34.99	27.70	00.490	1480.5							
	OBS	00601	04.90	34.990	27.70		1480.5							
	OBS	00651	04.71	34.970	27.71		1480.5							
	STD	00700	04.87	34.99	27.70	00.538	1482.0							
	OBS	00700	04.87	34.990	27.70		1482.0							
	OBS	00750	04.69	34.985	27.72		1482.1							
	STD	00800	04.62	34.99	27.73	00.585	1482.7							
	OBS	00801	04.62	34.990	27.73		1482.7							
	OBS	00850	04.53	34.990	27.74		1483.1							
	STD	00900	04.30	34.98	27.76	00.630	1483.0							
	OBS	00900	04.30	34.980	27.76		1483.0							
	OBS	00951	04.08	34.970	27.78		1482.9							
	STD	01000	04.05	34.97	27.78	00.674	1483.6							
	OBS	01001	04.05	34.970	27.78		1483.6							

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REFID 31 8371	YEAR 1974	BOTDP 03554	AIR TEMP	DIR HGT PER	WIND-DIR 00	INST STD RECORDER	TEN SQ 1306
CONSEC 0022	MONTH 06	SHIP EV	WET BULB	34 0 2	WIND-SPD 00	TRACE DIR D	5 SQUARE 2
LAT 44 56.0N	DAY 14	DATA USE 1	BAROMETR 1003.0	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 046 02.0W	HOUR 12.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 623	1 SQUARE 46

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	05.10	33.12	26.20	00.000	1468.9							
12.6	OBS	00001	05.10	33.120	26.20		1469.0							
	OBS	00005	05.14	33.117	26.19		1469.2							
	OBS	00009	04.76	33.110	26.23		1467.7							
	STD	00010	04.73	33.11	26.23	00.018	1467.5							
	OBS	00011	04.64	33.120	26.25		1467.2							
	OBS	00017	04.40	33.173	26.32		1466.4							
	STD	00020	04.94	33.37	26.42	00.035	1468.9							
	OBS	00020	05.16	33.447	26.45		1469.9							
	OBS	00024	06.36	33.816	26.59		1475.4							
	STD	00030	03.62	33.29	26.49 *	00.051	1463.4							
	OBS	00034	01.96	33.240	26.59		1456.2							
	OBS	00036	01.39	33.325	26.70		1453.9							
	OBS	00038	01.28	33.430	26.79		1453.5							
	OBS	00040	01.47	33.450	26.79		1454.4							
	OBS	00047	01.10	33.465	26.83		1452.9							
	OBS	00049	01.32	33.570	26.90		1454.1							
	STD	00050	01.24	33.56	26.89	00.078	1453.8							
	OBS	00051	01.16	33.545	26.89		1453.4							
	OBS	00055	01.88	33.614	26.89		1456.7							
	OBS	00059	01.30	33.544	26.88		1454.1							
	OBS	00068	01.26	33.695	27.00		1454.3							
	OBS	00070	01.52	33.740	27.02		1455.6							
	OBS	00074	01.56	33.770	27.04		1455.9							
	STD	00075	01.80	33.80	27.05	00.106	1457.0							
	OBS	00079	02.85	33.950	27.08		1461.8							
	OBS	00083	03.13	33.995	27.09		1463.2							
	OBS	00089	03.62	34.090	27.12		1465.5							
	OBS	00091	03.59	34.090	27.13		1465.4							
	STD	00100	03.79	34.16	27.16	00.130	1466.5							
	OBS	00100	03.81	34.160	27.16		1466.6							
	OBS	00102	03.85	34.160	27.16		1466.8							
	OBS	00110	04.64	34.297	27.18		1470.4							
	STD	00125	04.59	34.29	27.18	00.153	1470.4							
	OBS	00125	04.55	34.290	27.19		1470.3							
	OBS	00129	04.19	34.310	27.24		1468.9							
	OBS	00137	04.89	34.446	27.27		1472.1							
	STD	00150	04.71	34.44	27.28	00.175	1471.5							
	OBS	00150	04.70	34.435	27.28		1471.5							
	OBS	00163	04.10	34.400	27.32		1469.2							
	OBS	00165	03.83	34.390	27.34		1468.0							
	OBS	00177	03.56	34.410	27.38		1467.1							
	OBS	00184	04.31	34.516	27.39		1470.5							
	OBS	00186	04.39	34.500	27.37		1470.9							
	OBS	00194	05.35	34.646	27.37		1475.2							
	STD	00200	05.95	34.74	27.38	00.213	1477.8							
	OBS	00209	06.53	34.850	27.39		1480.4							
	OBS	00226	06.34	34.860	27.42		1480.0							
	STD	00250	06.06	34.83	27.43	00.249	1479.2							
	OBS	00251	06.05	34.830	27.43		1479.2							
	OBS	00281	06.19	34.966	27.52		1480.4							
	OBS	00287	06.03	34.940	27.52		1479.8							
	STD	00300	05.43	34.82	27.51	00.282	1477.5							
	OBS	00306	05.17	34.780	27.50		1476.5							
	OBS	00354	04.40	34.770	27.58		1474.1							
	STD	00400	04.38	34.85	27.65	00.338	1474.8							
	OBS	00403	04.38	34.850	27.65		1474.9							
	OBS	00451	04.42	34.856	27.64		1475.8							
	OBS	00460	04.71	34.935	27.68		1477.3							
	STD	00500	04.73	34.96	27.70	00.386	1478.1							
	OBS	00500	04.73	34.960	27.70		1478.1							
	OBS	00550	04.44	34.935	27.71		1477.7							
	STD	00600	04.39	34.95	27.73	00.432	1478.3							
	OBS	00601	04.39	34.950	27.73		1478.3							
	OBS	00651	04.21	34.930	27.73		1478.4							
	STD	00700	04.16	34.95	27.75	00.475	1479.0							
	OBS	00700	04.16	34.950	27.75		1479.0							
	OBS	00750	04.06	34.930	27.75		1479.4							
	STD	00800	03.88	34.93	27.76	00.517	1479.5							
	OBS	00864	03.87	34.930	27.77		1480.5							
	STD	00900	03.97	34.95	27.77	00.560	1481.5							
	OBS	00900	03.97	34.950	27.77		1481.6							
	OBS	00951	03.91	34.935	27.77		1482.1							
	STD	01000	03.92	34.94	27.77	00.602	1483.0							
	OBS	01001	03.92	34.940	27.77		1483.0							
	OBS	01024	03.86	34.940	27.77		1483.2							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID 31 8371 YEAR 1974 BOTOP 03424 AIR TEMP 13.5 DIR HGT PER WIND-DIR 13 INST STD RECORDER TEN SQ 1306
CONSEC 0023 MONTH 06 SHIP EV WET BULB 12.5 31 0 2 WIND-SPD 03 TRACE DIR D 5 SQUARE 4
LAT 45 20.4N DAY 14 DATA USE I BAROMETR 1030.6 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 046 01.5W HOUR 15.7 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 624 1 SQUARE 56

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	06.84	33.58	26.34	00.000	1476.6							
15.7	OBS	00003	06.84	33.57o	26.34		1476.6							
	STD	00010	06.75	33.59	26.37	00.017	1476.4							
	OBS	00011	06.69	33.59ß	26.38		1476.2							
	OBS	00015	06.43	33.610	26.42		1475.2							
	STD	00020	06.44	33.60	26.41	00.033	1475.3							
	OBS	00020	06.45	33.600	26.41		1475.4							
	OBS	00026	06.59	33.80o	26.56		1476.3							
	OBS	00028	06.78	34.150	26.80		1477.5							
	STD	00030	08.19	34.46	26.85	00.048	1483.4							
	OBS	00030	08.50	34.540	26.86		1484.7							
	OBS	00036	04.82	34.040	26.96		1469.6							
	OBS	00040	04.98	34.150	27.03		1470.5							
	OBS	00041	05.46	34.230	27.03		1472.6							
	STD	00050	05.67	34.26	27.03	00.070	1473.6							
	OBS	00051	05.68	34.265	27.03		1473.7							
	OBS	00070	05.07	34.240	27.09		1471.4							
	STD	00075	04.83	34.21	27.09	00.096	1470.5							
	OBS	00093	04.64	34.197	27.10		1470.0							
	STD	00100	05.12	34.25	27.09	00.120	1472.1							
	OBS	00108	05.43	34.294	27.09		1473.6							
	OBS	00118	05.40	34.318	27.11		1473.7							
	OBS	00121	05.69	34.410	27.15		1475.0							
	STD	00125	05.76	34.41	27.14	00.145	1475.4							
	OBS	00125	05.77	34.415	27.14		1475.4							
	OBS	00137	06.22	34.492	27.14		1477.5							
	OBS	00148	06.21	34.516	27.16		1477.7							
	STD	00150	06.35	34.56	27.18	00.168	1478.4							
	OBS	00152	06.53	34.615	27.20		1479.2							
	OBS	00156	06.70	34.665	27.22		1480.0							
	OBS	00161	07.09	34.740	27.22		1481.7							
	OBS	00178	06.50	34.630	27.22		1479.5							
	OBS	00182	06.15	34.620	27.25		1478.2							
	OBS	00184	06.06	34.600	27.25		1477.8							
	OBS	00186	05.57	34.510	27.24		1475.8							
	OBS	00188	05.51	34.490	27.23		1475.5							
	OBS	00190	04.75	34.420	27.27		1472.3							
	STD	00200	04.52	34.43	27.30	00.211	1471.6							
	OBS	00201	04.50	34.440	27.31		1471.5							
	OBS	00209	04.51	34.490	27.35		1471.7							
	OBS	00220	05.08	34.600	27.37		1474.4							
	OBS	00228	04.46	34.490	27.35		1471.9							
	STD	00250	03.95	34.50	27.42	00.248	1470.1							
	OBS	00251	03.92	34.500	27.42		1470.0							
	OBS	00253	03.94	34.490	27.41		1470.1							
	OBS	00276	04.57	34.630	27.45		1473.3							
	OBS	00279	04.81	34.677	27.46		1474.4							
	OBS	00283	04.87	34.740	27.51		1474.8							
	OBS	00287	05.19	34.770	27.49		1476.2							
	STD	00300	05.05	34.81	27.54	00.281	1475.9							
	OBS	00300	05.04	34.815	27.55		1475.9							
	OBS	00350	04.66	34.800	27.58		1475.1							
	STD	00400	04.45	34.84	27.63	00.336	1475.1							
	OBS	00401	04.44	34.840	27.63		1475.1							
	OBS	00451	04.82	34.970	27.69		1477.7							
	OBS	00491	04.76	34.960	27.69		1478.1							
	OBS	00494	04.47	34.935	27.71		1476.9							
	OBS	00498	04.46	34.930	27.70		1476.9							
	STD	00500	04.43	34.93	27.70	00.384	1476.8							
	OBS	00525	04.19	34.900	27.71		1476.2							
	OBS	00550	04.49	34.970	27.73		1477.9							
	STD	00600	04.42	34.97	27.74	00.428	1478.5							
	OBS	00601	04.42	34.970	27.74		1478.5							
	OBS	00651	04.37	34.970	27.74		1479.1							
	STD	00700	04.30	34.97	27.75	00.471	1479.6							
	OBS	00700	04.30	34.973	27.75		1479.6							
	OBS	00750	04.18	34.975	27.77		1480.0							
	STD	00800	04.08	34.96	27.77	00.513	1480.4							
	OBS	00801	04.08	34.960	27.77		1480.4							
	OBS	00850	04.08	34.970	27.78		1481.2							
	STD	00900	03.94	34.95	27.77	00.555	1481.4							
	OBS	00900	03.94	34.950	27.77		1481.4							
	OBS	00951	03.94	34.960	27.78		1482.3							
	STD	01000	03.87	34.96	27.79	00.597	1482.8							
	OBS	01003	03.86	34.965	27.79		1482.8							
	OBS	01016	03.83	34.950	27.79		1482.9							
	OBS	01024	03.85	34.960	27.79		1483.1							

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REFID 31 8371 YEAR 1974 BOTDP 03044 AIR TEMP 13.4 DIR HGT PER WIND-DIR 00 INST STD RECORDER TEN SQ 1306
CONSEC 0024 MONTH 06 SHIP EV WET BULB 12.6 31 0 2 WIND-SPD 00 TRACE DIR D 5 SQUARE 4
LAT 45 35.2N DAY 14 DATA USE 1 BAROMETR 1030.8 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 046 27.0W HOUR 19.2 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 625 1 SQUARE 56

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.77	33.16	26.37	00.000	1463.4							
19.2	OBS	00001	03.77	33.156	26.37		1463.4							
	OBS	00007	03.55	33.117	26.36		1462.5							
	OBS	00009	03.10	33.100	26.38		1460.6							
	STD	00010	03.08	33.10	26.39	00.017	1460.5							
	OBS	00011	03.01	33.115	26.40		1460.3							
	STD	00020	02.79	33.12	26.43	00.033	1459.5							
	OBS	00020	02.74	33.120	26.43		1459.3							
	OBS	00022	02.61	33.120	26.44		1458.7							
	OBS	00024	01.37	33.225	26.62		1453.4							
	OBS	00026	00.65	33.315	26.73		1450.4							
	STD	00030	00.18	33.56	26.96	00.046	1448.6							
	OBS	00030	00.16	33.585	26.98		1448.6							
	OBS	00034	00.46	33.667	27.03		1450.1							
	OBS	00036	00.73	33.710	27.05		1451.4							
	OBS	00038	01.17	33.735	27.04		1453.5							
	OBS	00045	01.77	33.790	27.04		1456.3							
	OBS	00049	01.14	33.750	27.05		1453.5							
	STD	00050	01.10	33.75	27.06	00.068	1453.4							
	OBS	00053	00.91	33.782	27.09		1452.6							
	STD	00075	01.52	33.94	27.18	00.091	1455.9							
	OBS	00076	01.53	33.945	27.18		1456.0							
	OBS	00078	01.54	33.950	27.19		1456.1							
	OBS	00081	02.28	34.118	27.27		1459.6							
	OBS	00083	02.46	34.155	27.28		1460.5							
	OBS	00089	03.20	34.295	27.33		1464.0							
	OBS	00091	03.65	34.410	27.37		1466.1							
	OBS	00093	03.72	34.410	27.37		1466.4							
	OBS	00097	04.74	34.537	27.36		1470.5							
	OBS	00099	04.88	34.555	27.36		1471.6							
	STD	00100	05.08	34.59	27.36	00.112	1472.4							
	OBS	00100	05.23	34.610	27.36		1473.1							
	OBS	00110	05.27	34.610	27.36		1473.4							
	STD	00125	03.79	34.44	27.38	00.130	1467.3							
	OBS	00125	03.75	34.432	27.38		1467.1							
	STD	00150	03.90	34.50	27.42	00.148	1468.2							
	OBS	00150	03.90	34.500	27.42		1468.2							
	OBS	00156	03.66	34.510	27.45		1467.3							
	OBS	00161	04.04	34.560	27.45		1469.1							
	OBS	00165	03.62	34.487	27.44		1467.3							
	OBS	00171	03.69	34.510	27.45		1467.7							
	OBS	00175	03.49	34.500	27.46		1466.9							
	OBS	00178	03.25	34.518	27.50		1466.0							
	OBS	00196	03.40	34.610	27.56		1467.0							
	OBS	00199	03.20	34.590	27.56		1466.2							
	STD	00200	03.19	34.59	27.56	00.178	1466.2							
	OBS	00213	02.70	34.555	27.58		1464.2							
	OBS	00222	02.72	34.580	27.60		1464.5							
	OBS	00226	02.93	34.620	27.61		1465.5							
	STD	00250	03.08	34.63	27.61	00.205	1466.6							
	OBS	00251	03.09	34.635	27.61		1466.6							
	OBS	00276	03.35	34.750	27.67		1468.3							
	STD	00300	03.59	34.78	27.67	00.229	1469.8							
	OBS	00302	03.62	34.780	27.67		1469.9							
	OBS	00350	04.06	34.840	27.67		1472.7							
	STD	00400	04.03	34.86	27.69	00.274	1473.4							
	OBS	00401	04.03	34.860	27.69		1473.4							
	OBS	00451	03.92	34.850	27.70		1473.8							
	STD	00500	03.94	34.84	27.69	00.320	1474.6							
	OBS	00515	03.95	34.840	27.69		1474.9							
	OBS	00550	03.97	34.850	27.69		1475.6							
	STD	00600	03.90	34.85	27.70	00.366	1476.1							
	OBS	00601	03.90	34.850	27.70		1476.2							
	OBS	00651	03.87	34.845	27.70		1476.8							
	STD	00700	03.85	34.85	27.70	00.412	1477.6							
	OBS	00700	03.85	34.850	27.70		1477.6							
	OBS	00750	03.81	34.845	27.70		1478.2							
	STD	00800	03.74	34.84	27.71	00.459	1478.8							
	OBS	00801	03.74	34.840	27.71		1478.8							
	OBS	00850	03.78	34.860	27.72		1479.8							
	STD	00900	03.69	34.85	27.72	00.506	1480.2							
	OBS	00900	03.69	34.850	27.72		1480.2							
	OBS	00953	03.76	34.955	27.80		1481.6							
	STD	01000	03.79	34.94	27.78	00.550	1482.4							
	OBS	01001	03.79	34.940	27.78		1482.5							
	OBS	01020	03.77	34.940	27.78		1482.7							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID 31 8371 | YEAR 1974 | BOTDP 01922 | AIR TEMP 10.2 | DIR HGT PER | WIND-DIR 11 | INST STD RECORDER | TEN SQ 1306
CONSEC 0025 | MONTH 06 | SHIP EV | WET BULB 09.9 | 00 0 X | WIND-SPD 04 | TRACE DIR D | 5 SQUARE 4
LAT 45 45.0N | DAY 14 | DATA USE 1 | BAROMETR 1030.9 | SEA | WIND-FOR | DURATION 00.4 | 2 SQUARE 46
LONG 046 52.1W | HOUR 22.0 | AREA 05 | CLOUD T/A | CL/TR | WEATHER X1 | ORIG 011 626 | 1 SQUARE 56

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.21	33.26	26.40	00.000	1465.4							
22.0	OBS	00003	04.21	33.260	26.40		1465.5							
	OBS	00009	04.06	33.24z	26.41		1464.9							
	STD	00010	04.06	33.25	26.41	00.016	1464.9							
	OBS	00011	04.06	33.255	26.42		1464.9							
	STD	00020	04.03	33.26	26.43	00.033	1465.0							
	OBS	00020	04.02	33.265	26.43		1465.0							
	OBS	00028	03.96	33.260	26.43		1464.8							
	STD	00030	03.85	33.26	26.44	00.049	1464.4							
	OBS	00032	03.64	33.25s	26.46		1463.5							
	OBS	00034	03.44	33.250	26.47		1462.7							
	OBS	00038	01.96	33.57z	26.85		1456.8							
	OBS	00049	01.27	33.763	27.06		1454.1							
	STD	00050	01.27	33.78	27.07	00.075	1454.2							
	OBS	00051	01.28	33.810	27.09		1454.3							
	OBS	00053	01.32	33.80e	27.09		1454.5							
	OBS	00059	01.78	33.945	27.17		1456.8							
	STD	00075	02.01	34.08	27.26	00.097	1458.3							
	OBS	00076	02.03	34.087	27.26		1458.4							
	STD	00100	02.60	34.26	27.35	00.117	1461.5							
	OBS	00100	02.62	34.265	27.35		1461.6							
	STD	00125	02.87	34.40	27.44	00.135	1463.3							
	OBS	00125	02.88	34.400	27.44		1463.3							
	STD	00150	03.28	34.49	27.48	00.151	1465.6							
	OBS	00150	03.29	34.495	27.48		1465.6							
	OBS	00175	03.56	34.610	27.54		1467.4							
	OBS	00194	03.98	34.656	27.53		1469.5							
	STD	00200	04.00	34.67	27.54	00.181	1469.7							
	OBS	00201	04.00	34.673	27.55		1469.7							
	OBS	00226	04.07	34.750	27.60		1470.5							
	STD	00250	04.19	34.77	27.61	00.208	1471.5							
	OBS	00255	04.21	34.780	27.61		1471.6							
	OBS	00279	04.30	34.830	27.64		1472.5							
	STD	00300	04.20	34.85	27.66	00.233	1472.5							
	OBS	00300	04.20	34.847	27.66		1472.4							
	OBS	00338	03.87	34.830	27.69		1471.7							
	OBS	00350	04.06	34.840	27.67		1472.7							
	STD	00400	04.11	34.85	27.68	00.279	1473.7							
	OBS	00401	04.11	34.850	27.68		1473.7							
	OBS	00451	04.00	34.850	27.69		1474.1							
	STD	00500	04.02	34.83	27.67	00.327	1475.0							
	OBS	00500	04.02	34.830	27.67		1475.0							
	OBS	00550	03.50	34.850	27.70		1475.3							
	STD	00600	04.02	34.92	27.74	00.372	1476.7							
	OBS	00609	04.05	34.930	27.75		1477.0							
	OBS	00651	04.24	34.95s	27.75		1478.5							
	STD	00700	04.12	34.95	27.76	00.414	1478.9							
	OBS	00700	04.12	34.950	27.76		1478.9							
	OBS	00750	04.15	34.960	27.76		1479.8							
	STD	00800	04.10	34.96	27.77	00.456	1480.4							
	OBS	00803	04.10	34.960	27.77		1480.5							
	OBS	00850	04.13	34.980	27.78		1481.4							
	STD	00900	03.96	34.96	27.78	00.498	1481.5							
	OBS	00900	03.96	34.960	27.78		1481.5							
	OBS	00953	03.89	34.950	27.78		1482.1							
	STD	01000	03.79	34.94	27.78	00.539	1482.5							
	OBS	01001	03.79	34.940	27.78		1482.5							
	OBS	01022	03.73	34.930	27.78		1482.6							
	OBS	01024	03.74	35.180	27.98		1483.0							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID .31 8371	YEAR 1974	BOTDP 01760	AIR TEMP 08.5	DIR HGT PER	WIND-DIR 00	INST STD RECORDER	TEN SQ 1306
CONSEC 0026	MONTH 06	SHIP EV	WET BULB 08.0	00 0 X	WIND-SPD 00	TRACE DIR D	5 SQUARE 4
LAT 45 56.0N	DAY 15	DATA USE 1	BAROMETR 1031.5	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 14.0W	HOUR 00.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	CRIG 011 627	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.28	33.10	26.37	00.000	1461.2							
00.7	OBS	00003	03.28	33.102	26.37		1461.3							
	OBS	00005	02.90	33.050	26.36		1459.6							
	STD	00010	02.73	33.11	26.42	00.016	1459.0							
	OBS	00011	02.69	33.117	26.43		1458.9							
	STD	00020	02.71	33.12	26.43	00.033	1459.1							
	OBS	00020	02.71	33.120	26.43		1459.1							
	OBS	00026	02.45	33.110	26.45		1458.1							
	STD	00030	01.99	33.25	26.60	00.048	1456.3							
	OBS	00030	01.82	33.260	26.61		1455.6							
	OBS	00032	00.91	33.257	26.67		1451.5							
	OBS	00036	00.05	33.460	26.88		1448.0							
	OBS	00047	- 0.43	33.600	27.02		1446.2							
	STD	00050	- 0.41	33.60	27.02	00.073	1446.3							
	OBS	00051	- 0.39	33.600	27.02		1446.4							
	STD	00075	00.09	33.84	27.19	00.097	1449.3							
	OBS	00076	00.13	33.860	27.20		1449.6							
	OBS	00091	00.96	34.127	27.37		1453.9							
	OBS	00095	01.55	34.266	27.44		1456.8							
	OBS	00099	01.84	34.310	27.45		1458.2							
	STD	00100	02.28	34.35	27.45	00.116	1460.3							
	OBS	00100	02.63	34.390	27.45		1461.8							
	OBS	00106	03.81	34.523	27.45		1467.2							
	OBS	00114	04.14	34.585	27.46		1468.8							
	STD	00125	04.30	34.62	27.47	00.132	1469.7							
	OBS	00125	04.31	34.620	27.47		1469.7							
	STD	00150	04.93	34.76	27.51	00.147	1472.9							
	OBS	00150	04.94	34.760	27.51		1472.9							
	OBS	00171	04.37	34.697	27.53		1470.8							
	OBS	00177	04.46	34.737	27.55		1471.3							
	STD	00200	04.60	34.83	27.58	00.176	1473.3							
	OBS	00201	04.82	34.830	27.58		1473.4							
	OBS	00226	04.90	34.835	27.58		1474.1							
	STD	00250	04.54	34.84	27.63	00.202	1473.0							
	OBS	00251	04.53	34.840	27.63		1473.0							
	OBS	00262	04.51	34.830	27.62		1473.1							
	OBS	00270	04.26	34.796	27.61		1472.1							
	OBS	00276	04.18	34.780	27.61		1471.9							
	STD	00300	03.92	34.76	27.63	00.227	1471.1							
	OBS	00300	03.91	34.760	27.63		1471.1							
	STD	00400	04.20	34.84	27.66	00.276	1474.1							
	OBS	00407	04.21	34.840	27.66		1474.2							
	OBS	00451	04.21	34.860	27.67		1475.0							
	STD	00500	04.08	34.86	27.68	00.324	1475.2							
	OBS	00500	04.08	34.852	27.68		1475.3							
	OBS	00550	04.01	34.850	27.69		1475.8							
	STD	00600	03.94	34.86	27.70	00.370	1476.3							
	OBS	00601	03.94	34.860	27.70		1476.3							
	OBS	00651	03.88	34.850	27.70		1476.9							
	STD	00700	03.87	34.86	27.71	00.416	1477.7							
	OBS	00702	03.87	34.860	27.71		1477.7							
	OBS	00750	03.74	34.850	27.72		1478.0							
	STD	00800	03.72	34.85	27.72	00.462	1478.7							
	OBS	00801	03.72	34.850	27.72		1478.7							
	OBS	00850	03.69	34.850	27.72		1479.4							
	STD	00900	03.71	34.86	27.73	00.508	1480.3							
	OBS	00900	03.71	34.860	27.73		1480.3							
	OBS	00972	03.67	34.860	27.73		1481.4							
	STD	01000	03.60	34.86	27.73	00.554	1481.5							
	OBS	01001	03.60	34.855	27.73		1481.6							
	OBS	01041	03.60	34.860	27.74		1482.2							

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REFID 31 8371	YEAR 1974	BOTDP 01345	AIR TEMP 06.6	DIR HGT PER	WIND-DIR 08	INST STD RECORDER	TEN SQ 1306
CONSEC 0027	MONTH 06	SHIP EV	WET BULB 06.6	00 0 X	WIND-SPD 04	TRACE DIR D	5 SQUARE 4
LAT 46 01.5N	DAY 15	DATA USE 1	BAROMETR 1030.8	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 66
LONG 047 23.9W	HOUR 02.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 628	1 SQUARE 67

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.76	33.25	26.53	00.000	1459.2							
02.7	OBS	00003	02.76	33.250	26.53		1459.3							
	STD	00010	02.56	33.21	26.52	00.015	1458.4							
	OBS	00011	02.51	33.214	26.52		1458.2							
	STD	00020	02.22	33.25	26.58	00.030	1457.1							
	OBS	00020	02.19	33.257	26.58		1457.1							
	STD	00030	01.99	33.30	26.63	00.045	1456.4							
	OBS	00034	01.91	33.340	26.67		1456.2							
	OBS	00041	01.79	33.452	26.77		1455.9							
	OBS	00049	00.44	33.457	26.86		1450.0							
	STD	00050	00.42	33.46	26.86	00.071	1449.9							
	OBS	00051	00.39	33.460	26.87		1449.8							
	OBS	00055	00.52	33.460	26.86		1450.4							
	OBS	00057	- 0.52	33.470	26.92		1445.7							
	OBS	00059	- 0.69	33.597	27.03		1445.1							
	OBS	00060	- 0.63	33.600	27.03		1445.4							
	OBS	00064	- 0.38	33.610	27.02		1446.7							
	OBS	00068	- 0.45	33.737	27.13		1446.6							
	STD	00075	- 0.25	33.78	27.15	00.097	1447.7							
	OBS	00076	- 0.16	33.780	27.15		1448.1							
	OBS	00079	00.25	33.796	27.14		1450.1							
	STD	00100	00.54	34.00	27.29	00.119	1452.0							
	OBS	00100	00.55	34.010	27.30		1452.1							
	STD	00125	00.97	34.12	27.37	00.137	1454.5							
	OBS	00127	01.02	34.140	27.37		1454.8							
	STD	00150	01.55	34.31	27.47	00.154	1457.8							
	OBS	00150	01.56	34.310	27.47		1457.9							
	OBS	00175	01.81	34.405	27.53		1459.5							
	STD	00200	01.94	34.41	27.52	00.184	1460.5							
	OBS	00201	01.95	34.410	27.52		1460.6							
	OBS	00228	02.06	34.483	27.57		1461.6							
	STD	00250	02.39	34.59	27.63	00.211	1463.5							
	OBS	00251	02.40	34.590	27.63		1463.6							
	OBS	00276	02.56	34.625	27.65		1464.7							
	STD	00300	02.67	34.65	27.66	00.235	1465.6							
	OBS	00302	02.68	34.650	27.66		1465.7							
	OBS	00384	03.13	34.750	27.70		1469.2							
	STD	00400	03.23	34.75	27.69	00.280	1469.9							
	OBS	00413	03.31	34.760	27.69		1470.4							
	OBS	00451	03.49	34.785	27.69		1471.8							
	OBS	00462	03.52	34.785	27.69		1472.2							
	OBS	00491	03.71	34.830	27.70		1473.5							
	STD	00500	03.74	34.83	27.70	00.325	1473.8							
	OBS	00500	03.74	34.830	27.70		1473.8							
	OBS	00550	03.77	34.840	27.70		1474.7							
	STD	00600	03.84	34.84	27.70	00.370	1475.5							
	OBS	00622	03.85	34.845	27.70		1476.3							
	OBS	00651	03.85	34.840	27.70		1476.8							
	STD	00700	03.79	34.84	27.70	00.417	1477.3							
	OBS	00700	03.79	34.840	27.70		1477.3							
	OBS	00750	03.76	34.840	27.71		1478.0							
	STD	00800	03.73	34.84	27.71	00.463	1478.7							
	OBS	00801	03.73	34.840	27.71		1478.8							
	OBS	00852	03.70	34.840	27.71		1479.5							
	STD	00900	03.65	34.84	27.72	00.510	1480.1							
	OBS	00900	03.65	34.840	27.72		1480.1							
	OBS	00951	03.62	34.845	27.72		1480.8							
	STD	01000	03.60	34.85	27.73	00.556	1481.5							
	OBS	01001	03.60	34.850	27.73		1481.5							
	OBS	01020	03.60	34.850	27.73		1481.9							

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REFID 31 8371 | YEAR 1974 | BOTDP 00365 | AIR TEMP 05.5 | DIR HGT PER | WIND-DIR 11 | INST STD RECORDER | TEN SQ 1306
CONSEC 0028 | MONTH 06 | SHIP EV | WET BULB 05.5 | 00 0 X | WIND-SPD 09 | TRACE DIR D | 5 SQUARE 4
LAT 46 06.0N | DAY 15 | DATA USE 1 | BAROMETR 1031.1 | SEA | WIND-FOR | DURATION 00.2 | 2 SQUARE 66
LONG 047 34.0W | HOUR 04.5 | AREA 05 | CLOUD T/A | CL/TR | WEATHER X4 | ORIG 011 629 | 1 SQUARE 67

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.19	32.78	26.12	00.000	1460.4							
04.5	OBS	00003	03.19	32.780	26.12		1460.5							
	OBS	00005	03.17	32.780	26.12		1460.4							
	OBS	00009	02.25	32.710	26.14		1456.4							
	STD	00010	02.20	32.72	26.15	00.019	1456.2							
	OBS	00013	01.94	32.780	26.22		1455.2							
	STD	00020	01.93	32.90	26.32	00.037	1455.4							
	OBS	00020	01.93	32.910	26.33		1455.4							
	STD	00030	01.83	33.04	26.44	00.053	1455.3							
	OBS	00030	01.82	33.050	26.45		1455.3							
	STD	00050	01.46	33.09	26.50	00.085	1454.1							
	OBS	00051	01.43	33.090	26.51		1454.0							
	OBS	00055	00.06	33.090	26.58		1447.8							
	OBS	00057	- 0.34	33.270	26.75		1446.3							
	STD	00075	- 1.23	33.35	26.87	00.119	1442.6							
	OBS	00076	- 1.27	33.390	26.88		1442.4							
	OBS	00079	- 1.38	33.400	26.89		1442.0							
	OBS	00087	- 1.08	33.450	26.92		1443.6							
	STD	00100	- 0.98	33.52	27.02	00.146	1444.4							
	OBS	00100	- 0.97	33.590	27.03		1444.5							
	STD	00125	- 0.24	33.82	27.18	00.171	1448.6							
	OBS	00125	- 0.22	33.820	27.19		1448.7							
	STD	00150	00.35	33.95	27.26	00.192	1451.9							
	OBS	00150	00.36	33.950	27.26		1452.0							
	OBS	00175	00.83	34.145	27.39		1454.8							
	STD	00200	01.13	34.15	27.38	00.230	1456.5							
	OBS	00201	01.15	34.160	27.38		1456.7							
	OBS	00226	01.47	34.297	27.47		1458.7							
	STD	00250	01.64	34.29	27.45	00.264	1459.8							
	OBS	00251	01.65	34.290	27.45		1459.9							
	OBS	00276	01.82	34.410	27.53		1461.2							
	STD	00300	01.99	34.42	27.53	00.295	1462.4							
	OBS	00300	02.00	34.420	27.53		1462.4							
	OBS	00350	02.22	34.490	27.57		1464.3							
	OBS	00361	02.33	34.505	27.57		1465.0							

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REFID 31 8371 | YEAR 1974 | BOTDP 00212 | AIR TEMP 05.0 | DIR HGT PER | WIND-DIR 11 | INST STD RECORDER | TEN SQ 1306
CONSEC 0029 | MONTH 06 | SHIP EV | WET BULB 05.0 | 00 0 X | WIND-SPD 09 | TRACE DIR D | 5 SQUARE 4
LAT 46 10.0N | DAY 15 | DATA USE 1 | BAROMETR 1031.0 | SEA | WIND-FOR | DURATION 00.1 | 2 SQUARE 66
LONG 047 39.0W | HOUR 05.3 | AREA 05 | CLOUD T/A | CL/TR | WEATHER X4 | ORIG 011 630 | 1 SQUARE 67

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.51	32.71	26.12	00.000	1457.4							
05.3	OBS	00001	02.51	32.710	26.12		1457.4							
	OBS	00003	02.50	32.700	26.12		1457.4							
	OBS	00009	01.54	32.680	26.17		1453.2							
	STD	00010	01.52	32.69	26.18	00.019	1453.1							
	OBS	00011	01.46	32.707	26.20		1452.9							
	OBS	00017	01.42	32.770	26.25		1452.9							
	STD	00020	00.88	32.77	26.28	00.037	1450.5							
	OBS	00020	00.64	32.770	26.30		1449.5							
	OBS	00022	00.03	32.740	26.30		1446.7							
	OBS	00026	- 1.16	33.037	26.59		1441.6							
	STD	00030	- 1.42	33.09	26.64	00.052	1440.5							
	OBS	00030	- 1.45	33.093	26.64		1440.4							
	STD	00050	- 1.65	33.26	26.78	00.079	1440.0							
	OBS	00051	- 1.66	33.260	26.78		1440.0							
	OBS	00055	- 1.68	33.250	26.78		1439.9							
	STD	00075	- 1.61	33.39	26.89	00.110	1440.8							
	OBS	00076	- 1.60	33.393	26.89		1440.9							
	STD	00100	- 1.37	33.46	26.94	00.138	1442.5							
	OBS	00100	- 1.35	33.470	26.95		1442.6							
	OBS	00112	- 1.11	33.605	27.05		1444.1							
	OBS	00121	- 0.25	33.820	27.19		1448.5							
	STD	00125	- 0.22	33.81	27.18	00.164	1448.7							
	OBS	00125	- 0.22	33.805	27.17		1448.7							
	STD	00150	- 0.07	33.82	27.18	00.186	1449.8							
	OBS	00150	- 0.07	33.820	27.18		1449.8							
	OBS	00175	00.07	33.900	27.24		1451.0							
	STD	00200	00.10	33.92	27.25	00.229	1451.5							
	OBS	00201	00.15	33.930	27.26		1451.8							
	OBS	00203	00.21	33.945	27.26		1452.1							

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REFID 31 8371	YEAR 1974	BOTDP 00184	AIR TEMP 04.5	DIR HGT PER	WIND-DIR 11	INST STD RECORDER	TEN SQ 1306
CONSEC 0030	MONTH 06	SHIP EV	WET BULB 04.5	00 0 X	WIND-SPD 09	TRACE DIR D	5 SQUARE 4
LAT 46 11.2N	DAY 15	DATA USE 1	BAROMETR 1031.0	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 66
LONG 047 42.8W	HOUR 06.7	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 631	1 SQUARE 67

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL
	STD	00000	02.27	32.70	26.13	00.000	1456.3
06.7	OBS	00005	02.27	32.700	26.13		1456.4
	STD	00010	01.86	32.69	26.15	00.019	1454.6
	OBS	00011	01.76	32.685	26.16		1454.2
	STD	00020	01.61	32.71	26.19	00.037	1453.7
	OBS	00020	01.48	32.710	26.20		1453.2
	OBS	00022	01.13	32.667	26.19		1451.6
	STD	00030	- 0.22	32.90	26.44	00.055	1445.8
	OBS	00030	- 0.29	32.910	26.46		1445.6
	OBS	00038	- 0.84	33.035	26.58		1443.3
	OBS	00040	- 1.22	33.095	26.64		1441.6
	STD	00050	- 1.62	33.25	26.77	00.083	1440.1
	OBS	00051	- 1.65	33.255	26.78		1440.0
	OBS	00059	- 1.72	33.260	26.79		1439.8
	STD	00075	- 1.70	33.35	26.86	00.114	1440.3
	OBS	00076	- 1.70	33.360	26.87		1440.3
	STD	00100	- 1.57	33.45	26.93	00.143	1441.5
	OBS	00100	- 1.56	33.450	26.94		1441.5
	STD	00125	- 1.07	33.62	27.06	00.170	1444.5
	OBS	00125	- 1.06	33.620	27.06		1444.5
	STD	00150	- 0.58	33.73	27.13	00.194	1447.3
	OBS	00150	- 0.58	33.735	27.13		1447.3
	OBS	00169	- 0.56	33.738	27.13		1447.8

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REFID 31 8371	YEAR 1974	BOTDP 00137	AIR TEMP	DIR HGT PER	WIND-DIR 95	INST STD RECORDER	TEN SQ 1306
CONSEC 0031	MONTH 06	SHIP EV	WET BULB	00 0 X	WIND-SPD 08	TRACE DIR D	5 SQUARE 4
LAT 46 15.8N	DAY 15	DATA USE 1	BAROMETR 1031.0	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 66
LONG 047 52.2W	HOUR 07.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 632	1 SQUARE 67

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL
	STD	00000	02.57	32.75	26.15	00.000	1457.7
07.5	OBS	00000	02.57	32.755	26.15		1457.7
	OBS	00001	02.61	32.780	26.17		1457.9
	OBS	00003	01.88	32.735	26.19		1454.7
	OBS	00005	01.75	32.710	26.18		1454.1
	STD	00010	01.83	32.77	26.22	00.018	1454.6
	OBS	00011	01.85	32.780	26.23		1454.7
	OBS	00015	01.88	32.790	26.23		1455.0
	OBS	00019	00.80	32.870	26.37		1450.3
	STD	00020	00.68	32.89	26.39	00.036	1449.8
	OBS	00020	00.58	32.900	26.41		1449.4
	STD	00030	- 0.21	33.00	26.53	00.051	1446.0
	OBS	00030	- 0.23	33.007	26.53		1446.0
	OBS	00032	- 0.27	33.000	26.53		1445.8
	OBS	00034	- 0.68	33.055	26.59		1444.0
	OBS	00038	- 1.07	33.100	26.64		1442.3
	STD	00050	- 1.67	33.23	26.76	00.060	1439.8
	OBS	00051	- 1.72	33.240	26.77		1439.7
	STD	00075	- 1.63	33.26	26.78	00.112	1440.5
	OBS	00076	- 1.63	33.260	26.78		1440.5
	OBS	00097	- 1.60	33.390	26.89		1441.2
	STD	00100	- 1.44	33.42	26.90	00.142	1442.0
	OBS	00104	- 1.24	33.450	26.93		1443.1
	STD	00125	- 1.13	33.46	26.93	00.170	1444.0
	OBS	00125	- 1.13	33.465	26.94		1444.0
	OBS	00129	- 1.13	33.460	26.93		1444.0

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REFID 31 8371	YEAR 1974	BOTDP 00124	AIR TEMP 04.8	DIR HGT PER	WIND-DIR 00	INST STD RECORDER	TEN SQ 1306
CONSEC 0032	MONTH 06	SHIP EV	WET BULB 04.7	00 0 X	WIND-SPD 00	TRACE DIR D	5 SQUARE 4
LAT 46 18.2N	DAY 15	DATA USE 1	BAROMETR 1031.0	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 66
LONG 047 56.1W	HOUR 08.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 633	1 SQUARE 67

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL
	STD	00000	02.90	32.89	26.23	00.000	1459.3
08.0	OBS	00001	02.90	32.890	26.23		1459.3
	STD	00010	02.76	32.67	26.23	00.018	1458.8
	OBS	00011	02.72	32.870	26.23		1458.7
	OBS	00015	02.59	32.675	26.25		1458.2
	OBS	00019	02.18	32.860	26.28		1456.5
	STD	00020	02.18	32.68	26.28	00.036	1456.5
	OBS	00020	02.18	32.880	26.28		1456.5
	OBS	00022	02.09	32.677	26.29		1456.1
	OBS	00026	01.52	32.675	26.33		1453.7
	STD	00030	01.34	32.92	26.36	00.053	1453.0
	OBS	00030	01.32	32.925	26.38		1452.9
	OBS	00034	01.19	32.905	26.37		1452.4
	OBS	00038	00.54	32.920	26.42		1449.5
	STD	00050	- 0.39	33.02	26.54	00.084	1445.5
	OBS	00051	- 0.60	33.027	26.56		1444.6
	OBS	00055	- 1.26	33.060	26.61		1441.7
	STD	00075	- 1.74	33.25	26.78	00.119	1440.0
	OBS	00076	- 1.75	33.255	26.78		1440.0
	STD	00100	- 1.68	33.35	26.86	00.150	1440.8
	OBS	00100	- 1.67	33.360	26.87		1440.9
	OBS	00116	- 1.31	33.455	26.94		1443.0

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REFID 31 8371	YEAR 1974	BOTDP 00227	AIR TEMP 08.1	DIR HGT PER	WIND-DIR 11	INST STD RECORDER	TEN SQ 1306
CONSEC 0033	MONTH 06	SHIP EV	WET BULB 07.8	25 1 2	WIND-SPD 05	TRACE DIR D	5 SQUARE 4
LAT 47 00.5N	DAY 15	DATA USE 1	BAROMETR 1032.1	SEA	WIND-FOR	DURATION 00.1	2 SQUARE 64
LONG 045 52.0W	HOUR 17.1	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 634	1 SQUARE 75

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.96	33.19	26.27	00.000	1468.4							
17.1	OBS	00000	04.96	33.195	26.27		1468.4							
	OBS	00001	05.04	33.230	26.29		1468.9							
	OBS	00005	04.16	33.11[illegible]	26.29		1465.1							
	OBS	00007	04.01	33.110	26.31		1464.5							
	STD	00010	03.93	33.12	26.32	00.017	1464.2							
	OBS	00011	03.89	33.120	26.33		1464.0							
	STD	00020	03.83	33.18	26.38	00.034	1464.0							
	STD	00030	03.76	33.21	26.41	00.051	1463.9							
	OBS	00032	03.74	33.215	26.42		1463.9							
	OBS	00038	03.53	33.210	26.43		1463.1							
	OBS	00043	02.76	33.260	26.54		1459.9							
	OBS	00045	02.01	33.383	26.70		1456.8							
	OBS	00047	01.61	33.590	26.89		1455.4							
	OBS	00049	01.56	33.665	26.96		1455.3							
	STD	00050	01.58	33.69	26.98	00.078	1455.4							
	OBS	00051	01.63	33.750	27.02		1455.8							
	OBS	00068	01.82	34.005	27.21		1457.2							
	STD	00075	02.37	34.06	27.21	00.102	1459.8							
	OBS	00076	02.42	34.067	27.21		1460.1							
	OBS	00085	02.44	34.080	27.22		1460.3							
	OBS	00089	02.33	34.080	27.23		1459.9							
	STD	00100	02.21	34.09	27.25	00.124	1459.6							
	OBS	00100	02.21	34.090	27.25		1459.6							
	STD	00125	02.44	34.27	27.37	00.143	1461.2							
	OBS	00125	02.47	34.270	27.37		1461.4							
	OBS	00129	02.70	34.280	27.36		1462.5							
	STD	00150	02.79	34.40	27.44	00.160	1463.4							
	OBS	00150	02.81	34.400	27.45		1463.4							
	OBS	00158	03.29	34.500	27.48		1465.8							
	OBS	00175	03.96	34.630	27.52		1469.1							
	STD	00200	04.43	34.77	27.56	00.190	1471.6							
	OBS	00203	04.44	34.77[illegible]	27.58		1471.7							
	OBS	00211	04.42	34.760	27.57		1471.8							

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REFID 31 8371	YEAR 1974	BOTDP 00322	AIR TEMP 08.0	DIR HGT PER	WIND-DIR 15	INST STD RECORDER	TEN SQ 1306
CONSEC 0034	MONTH 06	SHIP EV	WET BULB 07.3	49 1 2	WIND-SPD 09	TRACE DIR D	5 SQUARE 4
LAT 47 00.9N	DAY 15	DATA USE 1	BAROMETR 1031.5	SEA	WIND-FOR	DURATION 00.2	2 SQUARE 66
LONG 046 06.5W	HOUR 18.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 635	1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.51	33.12	26.26	00.000	1466.5							
18.2	OBS	00003	04.51	33.126	26.26		1466.5							
	STD	00010	03.95	33.11	26.31	00.017	1464.3							
	OBS	00011	03.94	33.110	26.31		1464.2							
	OBS	00015	04.12	33.190	26.36		1465.2							
	STD	00020	04.00	33.24	26.41	00.034	1464.8							
	OBS	00020	03.99	33.250	26.42		1464.8							
	STD	00030	03.96	33.25	26.43	00.050	1464.9							
	OBS	00030	03.96	33.255	26.43		1464.8							
	OBS	00038	03.85	33.245	26.43		1464.5							
	OBS	00040	03.70	33.220	26.42		1463.8							
	OBS	00041	03.38	33.250	26.48		1462.6							
	OBS	00043	03.29	33.245	26.48		1462.2							
	OBS	00045	02.73	33.217	26.51		1459.8							
	OBS	00047	02.02	33.480	26.78		1457.1							
	OBS	00049	01.82	33.620	26.90		1456.4							
	STD	00050	01.84	33.67	26.94	00.078	1456.6							
	OBS	00051	01.88	33.787	27.03		1456.9							
	OBS	00057	01.90	33.890	27.11		1457.2							
	OBS	00066	01.55	33.940	27.18		1455.5							
	OBS	00072	01.71	34.005	27.22		1456.8							
	STD	00075	02.29	34.10	27.25	00.102	1459.5							
	OBS	00076	02.49	34.146	27.27		1460.5							
	STD	00100	02.54	34.15	27.27	00.123	1461.1							
	OBS	00100	02.54	34.150	27.27		1461.1							
	OBS	00104	02.81	34.260	27.33		1462.5							
	OBS	00110	03.26	34.296	27.32		1464.6							
	OBS	00121	03.04	34.280	27.33		1463.8							
	STD	00125	03.18	34.30	27.33	00.142	1464.5							
	OBS	00125	03.20	34.305	27.33		1464.6							
	OBS	00137	03.26	34.430	27.43		1465.2							
	OBS	00140	03.53	34.490	27.45		1466.5							
	OBS	00148	03.56	34.495	27.45		1466.8							
	STD	00150	03.61	34.49	27.45	00.160	1467.0							
	OBS	00152	03.68	34.495	27.44		1467.3							
	OBS	00175	04.08	34.63[illegible]	27.51		1469.6							
	STD	00200	04.45	34.75	27.56	00.191	1471.7							
	OBS	00201	04.46	34.750	27.56		1471.8							
	OBS	00228	04.27	34.765	27.59		1471.4							
	STD	00250	04.04	34.77	27.62	00.217	1470.8							
	OBS	00251	04.03	34.775	27.63		1470.8							
	OBS	00276	04.01	34.845	27.68		1471.2							
	STD	00300	03.99	34.84	27.68	00.241	1471.5							
	OBS	00300	03.99	34.840	27.68		1471.6							
	OBS	00314	03.97	34.842	27.69		1471.7							

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REFID 31 8371 YEAR 1974 BOTDP 01304 AIR TEMP 07.2 DIR HGT PER WIND-DIR 11 INST STD RECORDER TEN SQ 1306
CONSEC 0035 MONTH 06 SHIP EV WET BULB 07.0 24 1 2 WIND-SPD 05 TRACE DIR D 5 SQUARE 4
LAT 47 00.5N DAY 15 DATA USE 1 BAROMETR 1030.5 SEA WIND-FOR DURATION 00.2 2 SQUARE 66
LONG 046 16.5W HOUR 19.4 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG C11 636 1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.60	33.21	26.32	00.000	1467.0							
19.4	OBS	00001	04.60	33.210	26.32		1467.0							
	OBS	00003	04.48	33.230	26.35		1466.6							
	OBS	00009	04.03	33.165	26.35		1464.7							
	STD	00010	04.01	33.19	26.37	00.017	1464.6							
	OBS	00011	03.96	33.240	26.41		1464.5							
	STD	00020	03.89	33.26	26.44	00.033	1464.4							
	OBS	00020	03.88	33.260	26.44		1464.4							
	OBS	00026	03.77	33.270	26.46		1464.0							
	STD	00030	03.16	33.45	26.66	00.048	1461.7							
	OBS	00030	03.06	33.480	26.69		1461.3							
	OBS	00034	02.24	33.693	26.93		1458.1							
	OBS	00036	02.07	33.815	27.04		1457.5							
	OBS	00041	02.04	33.930	27.13		1457.7							
	STD	00050	02.15	34.05	27.22	00.071	1458.5							
	OBS	00051	02.17	34.070	27.24		1458.6							
	STD	00075	02.30	34.14	27.28	00.092	1459.6							
	OBS	00076	02.31	34.140	27.28		1459.7							
	OBS	00095	02.54	34.205	27.31		1461.1							
	OBS	00099	02.66	34.250	27.32		1462.6							
	STD	00100	02.85	34.26	27.33	00.111	1462.6							
	OBS	00100	02.85	34.260	27.33		1462.6							
	OBS	00121	02.84	34.295	27.36		1463.0							
	STD	00125	02.90	34.32	27.37	00.130	1463.3							
	OBS	00127	02.96	34.340	27.38		1463.6							
	OBS	00144	03.49	34.430	27.41		1466.3							
	STD	00150	03.51	34.43	27.41	00.147	1466.5							
	OBS	00150	03.51	34.435	27.41		1466.5							
	OBS	00175	03.35	34.510	27.48		1466.3							
	OBS	00196	03.71	34.630	27.54		1468.4							
	STD	00200	03.86	34.64	27.53	00.179	1469.1							
	OBS	00201	03.92	34.640	27.53		1469.4							
	OBS	00226	03.81	34.650	27.55		1469.3							
	OBS	00232	03.61	34.645	27.57		1468.6							
	OBS	00239	03.78	34.740	27.62		1469.5							
	STD	00250	03.85	34.77	27.64	00.206	1470.0							
	OBS	00251	03.85	34.770	27.64		1470.1							
	OBS	00274	03.76	34.787	27.66		1470.1							
	OBS	00285	03.89	34.845	27.70		1470.9							
	OBS	00298	03.94	34.830	27.68		1471.3							

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REFID 31 8371 YEAR 1974 BOTDP 00371 AIR TEMP 07.4 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1306
CONSEC 0036 MONTH 06 SHIP EV WET BULB 07.0 00 0 X WIND-SPD 10 TRACE DIR D 5 SQUARE 4
LAT 47 01.0N DAY 15 DATA USE 1 BAROMETR 1031.2 SEA WIND-FOR DURATION 00.1 2 SQUARE 66
LONG 046 33.2W HOUR 21.0 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 637 1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	05.26	33.26	26.29	00.000	1469.8							
21.0	OBS	00001	05.26	33.260	26.29		1469.8							
	OBS	00003	05.20	33.260	26.30		1469.6							
	OBS	00007	04.51	33.222	26.34		1466.7							
	STD	00010	04.35	33.25	26.38	00.017	1466.1							
	OBS	00011	04.28	33.260	26.40		1465.9							
	STD	00020	04.25	33.26	26.40	00.033	1465.9							
	OBS	00020	04.24	33.260	26.40		1465.9							
	STD	00030	04.21	33.35	26.48	00.049	1466.0							
	OBS	00030	04.15	33.360	26.49		1465.8							
	OBS	00034	03.48	33.403	26.59		1463.1							
	STD	00050	02.21	33.77	26.99	00.076	1458.3							
	OBS	00051	02.15	33.800	27.02		1458.1							
	OBS	00062	02.01	34.037	27.22		1458.0							
	OBS	00070	02.21	34.060	27.22		1459.1							
	OBS	00074	02.04	34.055	27.23		1458.4							
	STD	00075	02.05	34.07	27.24	00.100	1458.4							
	OBS	00076	02.06	34.080	27.25		1458.5							
	OBS	00097	02.43	34.260	27.37		1460.7							
	STD	00100	02.73	34.30	27.37	00.119	1462.1							
	OBS	00100	02.79	34.310	27.38		1462.4							
	OBS	00110	02.45	34.260	27.36		1461.0							
	STD	00125	02.62	34.28	27.37	00.137	1462.0							
	OBS	00125	02.62	34.283	27.37		1462.1							
	OBS	00142	02.69	34.383	27.44		1462.8							
	STD	00150	02.01	34.43	27.45	00.155	1464.3							
	OBS	00150	03.02	34.430	27.45		1464.4							
	OBS	00177	02.85	34.480	27.51		1464.2							
	STD	00200	03.10	34.61	27.59	00.184	1465.8							
	OBS	00201	03.12	34.620	27.59		1465.9							
	OBS	00224	03.38	34.640	27.58		1467.4							
	STD	00250	04.42	34.82	27.62	00.210	1472.5							
	OBS	00257	04.48	34.836	27.62		1472.9							
	OBS	00258	04.48	34.830	27.62		1472.9							
	OBS	00276	04.44	34.840	27.63		1473.0							
	STD	00300	04.39	34.89	27.68	00.234	1473.3							
	OBS	00302	04.38	34.895	27.68		1473.3							
	OBS	00352	04.27	34.940	27.73		1473.7							
	OBS	00356	04.15	34.950	27.75		1473.3							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID 31 8371 YEAR 1974 BOTDP 01097 AIR TEMP 06.8 DIR HGT PER WIND-DIR 00 INST STD RECORDER TEN SQ 1306
CONSEC 0037 MONTH 06 SHIP EV WET BULB 06.8 00 0 X WIND-SPD 00 TRACE DIR D 5 SQUARE 4
LAT 47 00.8N DAY 15 DATA USE 1 BAROMETR 1031.0 SEA WIND-FOR DURATION 00.3 2 SQUARE 66
LONG 046 41.8W HOUR 21.8 AREA 05 CLOUD T/A CL/TR WEATHER X4 CRIG 011 638 1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.15	33.17	26.34	00.000	1465.0							
21.8	OBS	00003	04.15	33.175	26.34		1465.1							
	STD	00010	03.86	33.25	26.44	00.016	1464.1							
	OBS	00011	03.83	33.270	26.45		1464.0							
	STD	00020	04.00	33.35	26.50	00.032	1465.0							
	OBS	00020	04.01	33.352	26.50		1465.0							
	STD	00030	04.00	33.34	26.49	00.048	1465.1							
	OBS	00030	03.94	33.340	26.50		1464.9							
	OBS	00036	02.74	33.300	26.57		1459.8							
	OBS	00038	02.61	33.385	26.65		1459.3							
	OBS	00041	01.77	33.320	26.67		1455.6							
	STD	00050	00.68	33.54	26.91	00.075	1451.2							
	OBS	00051	00.52	33.575	26.95		1450.5							
	OBS	00055	00.11	33.660	27.04		1448.8							
	OBS	00060	00.30	33.830	27.17		1450.0							
	OBS	00064	00.84	33.860	27.16		1452.6							
	OBS	00068	00.87	33.910	27.20		1452.9							
	OBS	00070	01.12	33.967	27.23		1454.1							
	OBS	00072	01.05	33.990	27.25		1453.8							
	STD	00075	01.38	34.02	27.25	00.099	1455.4							
	OBS	00076	01.45	34.040	27.27		1455.8							
	OBS	00078	01.50	34.090	27.30		1456.1							
	OBS	00079	01.76	34.107	27.30		1457.3							
	STD	00100	02.32	34.21	27.34	00.119	1460.2							
	OBS	00102	02.40	34.230	27.35		1460.7							
	OBS	00108	01.29	34.170	27.38		1455.8							
	OBS	00112	02.67	34.340	27.41		1462.1							
	OBS	00118	02.93	34.380	27.42		1463.4							
	STD	00125	03.03	34.41	27.44	00.137	1464.0							
	OBS	00125	03.04	34.415	27.44		1464.1							
	OBS	00131	03.11	34.430	27.44		1464.5							
	OBS	00137	02.09	34.330	27.45		1460.0							
	STD	00150	02.14	34.43	27.53	00.152	1460.6							
	OBS	00150	02.14	34.437	27.53		1460.6							
	OBS	00175	01.91	34.460	27.57		1460.0							
	STD	00200	01.92	34.49	27.59	00.180	1460.5							
	OBS	00201	01.92	34.492	27.59		1460.5							
	OBS	00226	02.25	34.590	27.64		1462.5							
	OBS	00245	02.54	34.620	27.64		1464.1							
	OBS	00249	02.82	34.660	27.65		1465.5							
	STD	00250	02.84	34.67	27.65	00.204	1465.6							
	OBS	00253	02.92	34.692	27.67		1466.0							
	OBS	00276	03.18	34.717	27.66		1467.5							
	STD	00300	03.33	34.75	27.67	00.227	1468.6							
	OBS	00300	03.34	34.750	27.68		1468.7							
	OBS	00350	03.71	34.830	27.70		1471.2							
	STD	00400	04.00	34.89	27.72	00.271	1473.3							
	OBS	00401	04.01	34.890	27.72		1473.4							
	OBS	00451	04.08	34.900	27.72		1474.5							
	STD	00500	03.93	34.91	27.74	00.312	1474.7							
	OBS	00502	03.92	34.910	27.74		1474.7							
	OBS	00550	03.87	34.910	27.75		1475.3							
	STD	00600	03.83	34.91	27.75	00.353	1475.9							
	OBS	00601	03.83	34.910	27.75		1475.9							
	OBS	00651	03.81	34.910	27.76		1476.7							
	STD	00700	03.79	34.91	27.76	00.395	1477.4							
	OBS	00700	03.79	34.910	27.76		1477.4							
	OBS	00750	03.76	34.910	27.76		1478.1							
	STD	00800	03.71	34.91	27.77	00.436	1478.7							
	OBS	00801	03.71	34.910	27.77		1478.8							
	OBS	00850	03.67	34.910	27.77		1479.4							
	STD	00900	03.63	34.91	27.77	00.477	1480.1							
	OBS	00900	03.63	34.910	27.77		1480.1							
	OBS	00951	03.62	34.910	27.78		1480.9							
	STD	01000	03.61	34.91	27.78	00.519	1481.7							
	OBS	01001	03.61	34.910	27.78		1481.7							
	OBS	01024	03.59	34.910	27.78		1482.0							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID 31 8371 YEAR 1974 BOTDP 01097 AIR TEMP 06.8 DIR HGT PER WIND-DIR 16 INST STD RECORDER TEN SQ 1306
CONSEC 0038 MONTH 06 SHIP EV WET BULB 06.8 00 0 X WIND-SPD 08 TRACE DIR D 5 SQUARE 4
LAT 47 00.8N DAY 16 DATA USE I BAROMETR 1030.1 SEA WIND-FOR DURATION 00.4 2 SQUARE 66
LONG 047 06.0W HOUR 00.1 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 639 1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.45	33.02	26.29	00.000	1461.9							
00.1	OBS	00005	03.45	33.017	26.29		1461.9							
	STD	00010	02.86	32.96	26.30	00.017	1459.4							
	OBS	00011	02.63	32.947	26.30		1458.4							
	OBS	00013	02.30	32.970	26.35		1457.0							
	STD	00020	02.15	33.11	26.47	00.034	1456.7							
	OBS	00020	02.13	33.130	26.49		1456.6							
	STD	00030	02.03	33.28	26.62	00.049	1456.5							
	OBS	00030	02.02	33.290	26.62		1456.5							
	OBS	00038	01.90	33.345	26.68		1456.2							
	OBS	00043	00.02	33.350	26.80		1447.8							
	STD	00050	00.09	33.48	26.90	00.075	1448.4							
	OBS	00051	00.10	33.510	26.92		1448.5							
	OBS	00070	- 0.71	33.707	27.12		1445.4							
	STD	00075	- 0.67	33.71	27.11	00.101	1445.7							
	OBS	00076	- 0.65	33.710	27.12		1445.8							
	STD	00100	00.11	33.94	27.26	00.123	1450.0							
	OBS	00100	00.13	33.945	27.27		1450.1							
	STD	00125	00.56	34.08	27.35	00.143	1452.6							
	OBS	00125	00.57	34.080	27.35		1452.7							
	STD	00150	00.98	34.19	27.42	00.160	1455.1							
	OBS	00150	00.99	34.195	27.42		1455.1							
	OBS	00175	01.43	34.330	27.50		1457.7							
	STD	00200	01.73	34.40	27.54	00.191	1459.5							
	OBS	00201	01.75	34.410	27.54		1459.7							
	OBS	00226	02.04	34.497	27.59		1461.5							
	STD	00250	02.46	34.60	27.63	00.218	1463.8							
	OBS	00251	02.47	34.600	27.63		1463.9							
	OBS	00276	02.53	34.655	27.67		1464.7							
	STD	00300	02.68	34.66	27.67	00.241	1465.7							
	OBS	00300	02.68	34.665	27.67		1465.7							
	OBS	00350	02.61	34.720	27.70		1467.2							
	STD	00400	03.24	34.79	27.72	00.284	1469.9							
	OBS	00401	03.25	34.795	27.72		1470.0							
	OBS	00451	03.69	34.865	27.73		1472.8							
	STD	00500	03.78	34.88	27.74	00.326	1474.0							
	OBS	00500	03.78	34.885	27.74		1474.0							
	OBS	00550	03.91	34.910	27.75		1475.4							
	STD	00600	03.87	34.91	27.75	00.367	1476.1							
	OBS	00601	03.87	34.910	27.75		1476.1							
	OBS	00651	03.82	34.910	27.75		1476.7							
	STD	00700	03.78	34.91	27.76	00.409	1477.4							
	OBS	00702	03.78	34.910	27.76		1477.4							
	OBS	00750	03.72	34.910	27.77		1478.0							
	STD	00800	03.67	34.91	27.77	00.450	1478.6							
	OBS	00801	03.67	34.910	27.77		1478.6							
	OBS	00850	03.63	34.910	27.77		1479.3							
	STD	00900	03.60	34.91	27.78	00.491	1479.9							
	OBS	00900	03.60	34.910	27.78		1479.9							
	OBS	00951	03.56	34.920	27.79		1480.7							
	STD	01000	03.56	34.92	27.79	00.531	1481.5							
	OBS	01001	03.56	34.920	27.79		1481.5							
	OBS	01020	03.55	34.920	27.79		1481.8							

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REFID 31 8371 YEAR 1974 BOTDP 00376 AIR TEMP 05.2 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1306
CONSEC 0039 MONTH 06 SHIP EV WET BULB 05.2 00 0 X WIND-SPD 05 TRACE DIR D 5 SQUARE 4
LAT 46 59.2N DAY 16 DATA USE I BAROMETR 1029.1 SEA WIND-FOR DURATION 00.2 2 SQUARE 66
LONG 047 20.0W HOUR 01.8 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 640 1 SQUARE 67

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.47	32.81	26.21	00.000	1457.3							
01.8	OBS	00000	02.47	32.810	26.21		1457.3							
	OBS	00001	02.48	32.810	26.21		1457.4							
	STD	00010	02.11	32.84	26.25	00.018	1455.9							
	OBS	00011	02.04	32.850	26.27		1455.7							
	STD	00020	01.58	33.01	26.43	00.035	1454.0							
	OBS	00020	01.55	33.020	26.44		1453.9							
	OBS	00024	01.45	33.040	26.46		1453.5							
	STD	00030	00.28	32.94	26.45	00.051	1448.2							
	OBS	00030	00.19	32.940	26.46		1447.8							
	OBS	00038	- 0.88	33.130	26.66		1443.2							
	OBS	00041	- 0.58	33.290	26.77		1444.9							
	OBS	00045	- 0.54	33.270	26.76		1445.2							
	STD	00050	- 0.87	33.27	26.77	00.080	1443.7							
	OBS	00051	- 1.02	33.270	26.77		1443.0							
	OBS	00053	- 1.26	33.320	26.82		1442.0							
	OBS	00064	- 1.54	33.400	26.89		1441.0							
	STD	00075	- 1.44	33.47	26.95	00.109	1441.7							
	OBS	00076	- 1.42	33.480	26.96		1441.8							
	STD	00100	- 0.87	33.66	27.09	00.136	1445.1							
	OBS	00100	- 0.84	33.670	27.09		1445.2							
	STD	00125	- 0.02	33.91	27.25	00.158	1449.7							
	OBS	00125	- 0.01	33.915	27.25		1449.8							
	STD	00150	00.26	33.97	27.28	00.179	1451.5							
	OBS	00150	00.26	33.970	27.28		1451.5							
	OBS	00175	00.41	34.000	27.30		1452.7							
	STD	00200	00.57	34.05	27.33	00.217	1453.8							
	OBS	00201	00.58	34.050	27.33		1453.9							
	OBS	00226	00.81	34.140	27.39		1455.5							
	STD	00250	01.20	34.26	27.46	00.252	1457.8							
	OBS	00251	01.23	34.265	27.46		1458.0							
	OBS	00276	01.77	34.410	27.54		1461.0							
	STD	00300	01.92	34.45	27.56	00.282	1462.1							
	OBS	00300	01.93	34.450	27.56		1462.2							
	OBS	00350	02.29	34.590	27.64		1464.7							
	OBS	00367	02.71	34.658	27.66		1466.9							

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REFID 31 8371 YEAR 1974 BOTDP 00212 AIR TEMP 06.0 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1306
CONSEC 0040 MONTH 06 SHIP EV WET BULB 05.8 00 0 X WIND-SPD 14 TRACE DIR D 5 SQUARE 4
LAT 46 58.5N DAY 16 DATA USE I BAROMETR 1027.4 SEA WIND-FOR DURATION 00.1 2 SQUARE 66
LONG 047 31.0W HOUR 03.0 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 641 1 SQUARE 67

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.85	32.65	26.05	00.000	1458.8							
03.0	OBS	00001	02.85	32.650	26.05		1458.8							
	OBS	00005	02.85	32.650	26.05		1458.9							
	STD	00010	02.04	32.57	26.05	00.020	1455.3							
	OBS	00011	01.85	32.560	26.05		1454.4							
	STD	00020	01.64	32.63	26.12	00.039	1453.7							
	OBS	00022	01.58	32.640	26.14		1453.5							
	STD	00030	01.49	32.64	26.14	00.058	1453.3							
	OBS	00030	01.44	32.645	26.15		1453.1							
	OBS	00032	01.19	32.663	26.18		1452.0							
	OBS	00036	00.57	32.700	26.25		1449.3							
	OBS	00040	- 1.01	33.000	26.56		1442.5							
	OBS	00041	- 1.39	33.055	26.61		1440.8							
	STD	00050	- 1.63	33.23	26.76	00.090	1440.0							
	OBS	00051	- 1.66	33.245	26.77		1440.0							
	OBS	00064	- 1.73	33.280	26.80		1439.9							
	STD	00075	- 1.69	33.32	26.83	00.121	1440.3							
	OBS	00078	- 1.68	33.327	26.84		1440.4							
	STD	00100	- 1.57	33.41	26.50	00.151	1441.4							
	OBS	00100	- 1.56	33.415	26.91		1441.5							
	STD	00125	- 1.21	33.52	26.98	00.179	1443.7							
	OBS	00125	- 1.20	33.525	26.99		1443.7							
	STD	00150	- 0.51	33.74	27.13	00.204	1447.7							
	OBS	00150	- 0.50	33.740	27.13		1447.7							
	OBS	00177	00.11	33.883	27.22		1451.2							
	STD	00200	00.12	33.88	27.22	00.249	1451.6							
	OBS	00201	00.12	33.880	27.22		1451.6							
	OBS	00205	00.12	33.885	27.22		1451.7							

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REFID 31 8371 YEAR 1974 BOTDP 00160 AIR TEMP 06.0 DIR HGT PER WIND-DIR 14 INST STD RECORDER TEN SQ 1306
CONSEC 0041 MONTH 06 SHIP EV WET BULB 05.8 00 0 X WIND-SPD 14 TRACE DIR D 5 SQUARE 4
LAT 47 00.5N DAY 16 DATA USE I BAROMETR 1024.5 SEA WIND-FOR DURATION 00.1 2 SQUARE 66
LONG 047 53.3W HOUR 04.7 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 642 1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.85	32.76	26.13	00.000	1458.9							
04.7	OBS	00000	02.85	32.760	26.13		1458.9							
	OBS	00009	02.81	32.750	26.13		1458.9							
	STD	00010	02.71	32.74	26.13	00.019	1458.5							
	OBS	00013	02.22	32.710	26.15		1456.3							
	STD	00020	02.11	32.78	26.21	00.037	1456.0							
	OBS	00020	02.09	32.790	26.22		1456.0							
	OBS	00022	02.13	32.810	26.23		1456.2							
	OBS	00024	02.36	32.845	26.24		1457.3							
	STD	00030	02.23	32.85	26.26	00.055	1456.8							
	OBS	00030	02.22	32.850	26.26		1456.8							
	OBS	00034	02.13	32.850	26.26		1456.5							
	OBS	00036	00.98	32.794	26.30		1451.3							
	OBS	00040	00.50	32.907	26.42		1449.3							
	STD	00050	00.06	32.96	26.48	00.089	1447.6							
	OBS	00051	- 0.04	32.970	26.49		1447.1							
	OBS	00053	- 0.19	32.947	26.48		1446.4							
	OBS	00074	- 1.66	33.225	26.76		1440.3							
	STD	00075	- 1.65	33.23	26.76	00.124	1440.4							
	OBS	00076	- 1.63	33.240	26.77		1440.5							
	STD	00100	- 1.59	33.28	26.79	00.156	1441.1							
	OBS	00100	- 1.58	33.280	26.80		1441.2							
	STD	00125	- 1.03	33.50	26.96	00.186	1444.5							
	OBS	00125	- 1.02	33.500	26.96		1444.6							
	STD	00150	- 0.72	33.57	27.00	00.213	1446.4							
	OBS	00150	- 0.72	33.570	27.01		1446.5							
	OBS	00159	- 0.73	33.660	27.08		1446.7							

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REFID 31 8371 YEAR 1974 BOTDP 00135 AIR TEMP 05.8 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1306
CONSEC 0042 MONTH 06 SHIP EV WET BULB 05.8 00 0 X WIND-SPD 16 TRACE DIR D 5 SQUARE 4
LAT 47 01.8N DAY 16 DATA USE I BAROMETR 1024.5 SEA WIND-FOR DURATION 00.1 2 SQUARE 68
LONG 048 07.0W HOUR 06.2 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 643 1 SQUARE 78

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.67	32.88	26.16	00.000	1462.6							
06.2	OBS	00000	03.67	32.880	26.16		1462.6							
	OBS	00007	03.66	32.880	26.16		1462.7							
	STD	00010	02.93	32.85	26.20	00.018	1459.5							
	OBS	00011	02.60	32.835	26.22		1458.1							
	STD	00020	02.43	32.87	26.26	00.036	1457.6							
	OBS	00020	02.41	32.875	26.26		1457.5							
	STD	00030	02.19	32.89	26.29	00.054	1456.7							
	OBS	00032	02.15	32.895	26.30		1456.6							
	OBS	00036	02.10	32.880	26.29		1456.4							
	OBS	00038	01.97	32.860	26.28		1455.8							
	OBS	00040	01.75	32.860	26.30		1454.9							
	OBS	00043	01.20	32.827	26.31		1452.4							
	OBS	00045	00.42	32.815	26.34		1448.9							
	STD	00050	- 0.44	32.96	26.51	00.087	1445.3							
	OBS	00051	- 0.68	33.007	26.55		1444.2							
	STD	00075	- 1.63	33.21	26.74	00.122	1440.4							
	OBS	00076	- 1.65	33.217	26.75		1440.4							
	STD	00100	- 1.51	33.35	26.85	00.154	1441.6							
	OBS	00100	- 1.49	33.360	26.86		1441.7							
	OBS	00112	- 1.13	33.500	26.96		1443.8							
	OBS	00114	- 0.90	33.510	26.96		1444.9							
	STD	00125	- 0.88	33.51	26.97	00.182	1445.2							
	OBS	00125	- 0.88	33.515	26.97		1445.2							
	OBS	00133	- 0.88	33.510	26.96		1445.3							

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REFID 31 8371 YEAR 1974 BOTDP 00117 AIR TEMP 06.0 DIR HGT PER WIND-DIR 16 INST STD RECORDER TEN SQ 1306
CONSEC 0043 MONTH 06 SHIP EV WET BULB 05.8 00 0 X WIND-SPD 16 TRACE DIR D 5 SQUARE 4
LAT 47 01.4N DAY 16 DATA USE I BAROMETR 1024.3 SEA WIND-FOR DURATION 00.1 2 SQUARE 68
LONG 048 20.0W HOUR 07.3 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 644 1 SQUARE 78

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.67	32.88	26.16	00.000	1462.6							
07.3	OBS	00000	03.67	32.880	26.16		1462.6							
	OBS	00009	03.64	32.865	26.15		1462.6							
	STD	00010	03.38	32.84	26.15	00.019	1461.5							
	OBS	00011	02.75	32.780	26.16		1458.7							
	STD	00020	02.48	32.90	26.28	00.037	1457.8							
	OBS	00020	02.46	32.907	26.28		1457.8							
	STD	00030	02.33	32.91	26.30	00.054	1457.3							
	OBS	00032	02.28	32.910	26.30		1457.2							
	OBS	00049	01.81	32.870	26.30		1455.3							
	STD	00050	01.29	32.87	26.34	00.089	1453.0							
	OBS	00051	00.17	32.857	26.39		1447.9							
	OBS	00053	- 0.51	33.040	26.57		1445.1							
	STD	00075	- 1.33	33.23	26.75	00.126	1441.9							
	OBS	00076	- 1.35	33.240	26.76		1441.8							
	STD	00100	- 1.01	33.48	26.94	00.156	1444.1							
	OBS	00100	- 1.01	33.480	26.94		1444.2							
	OBS	00114	- 1.02	33.487	26.95		1444.3							

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REFID 31 8371 YEAR 1974 BOTDP 00105 AIR TEMP 05.8 DIR HGT PER WIND-DIR 16 INST STD RECORDER TEN SQ 1306
CONSEC 0044 MONTH 06 SHIP EV WET BULB 05.6 00 0 X WIND-SPD 16 TRACE DIR D 5 SQUARE 4
LAT 47 02.5N DAY 16 DATA USE I BAROMETR 1024.2 SEA WIND-FOR DURATION 00.1 2 SQUARE 68
LONG 048 35.2W HOUR 08.6 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 645 1 SQUARE 78

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.76	32.88	26.15	00.000	1463.0							
08.6	OBS	00000	03.76	32.877	26.15		1463.0							
	OBS	00005	03.73	32.870	26.15		1462.9							
	OBS	00009	02.77	32.840	26.21		1458.8							
	STD	00010	02.75	32.85	26.22	00.018	1458.8							
	OBS	00011	02.70	32.887	26.25		1458.6							
	STD	00020	02.54	32.91	26.28	00.036	1458.1							
	OBS	00020	02.52	32.910	26.28		1458.0							
	STD	00030	02.37	32.91	26.29	00.054	1457.5							
	OBS	00030	02.36	32.907	26.29		1457.5							
	OBS	00041	02.31	32.900	26.29		1457.4							
	OBS	00047	00.41	32.890	26.41		1449.0							
	STD	00050	- 0.04	32.92	26.45	00.087	1447.1							
	OBS	00051	- 0.27	32.940	26.48		1446.0							
	OBS	00066	- 1.36	33.205	26.73		1441.6							
	STD	00075	- 1.33	33.27	26.78	00.123	1441.5							
	OBS	00076	- 1.33	33.275	26.79		1442.0							
	STD	00100	- 1.14	33.45	26.92	00.153	1443.5							
	OBS	00100	- 1.14	33.456	26.92		1443.5							
	OBS	00104	- 1.13	33.456	26.93		1443.6							

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REFID 31 8371 | YEAR 1974 | BOTDP 00119 | AIR TEMP 05.9 | DIR HGT PER | WIND-DIR 06 | INST STD RECORDER | TEN SQ 1307
CONSEC 0045 | MONTH 06 | SHIP EV | WET BULB 05.9 | 00 0 X | WIND-SPD 08 | TRACE DIR D | 5 SQUARE 3
LAT 47 31.7N | DAY 16 | DATA USE 1 | BAROMETR 1023.9 | SEA | WIND-FOR | DURATION 00.1 | 2 SQUARE 62
LONG 052 21.0W | HOUR 23.5 | AREA 05 | CLOUD T/A | CL/TR | WEATHER X4 | ORIG 011 646 | 1 SQUARE 72

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.02	32.71	25.99	00.000	1463.9							
23.5	OBS	00003	04.02	32.710	25.99		1463.9							
	OBS	00005	03.04	32.670	26.05		1459.7							
	STD	00010	02.75	32.79	26.16	00.019	1458.7							
	OBS	00011	02.67	32.810	26.19		1458.4							
	OBS	00019	02.42	32.820	26.22		1457.4							
	STD	00020	02.30	32.82	26.23	00.038	1456.9							
	OBS	00020	02.20	32.820	26.24		1456.5							
	STD	00030	01.69	32.86	26.30	00.055	1454.5							
	OBS	00030	01.66	32.860	26.31		1454.3							
	OBS	00036	01.29	32.873	26.34		1452.8							
	OBS	00041	00.25	32.933	26.45		1448.3							
	STD	00050	- 0.07	32.94	26.47	00.088	1446.9							
	OBS	00051	- 0.14	32.945	26.48		1446.6							
	OBS	00057	- 0.45	32.927	26.48		1445.3							
	OBS	00060	- 1.02	32.910	26.48		1442.7							
	STD	00075	- 1.50	33.10	26.65	00.125	1440.9							
	OBS	00076	- 1.52	33.110	26.66		1440.8							
	OBS	00083	- 1.61	33.160	26.70		1440.6							
	STD	00100	- 1.37	33.26	26.78	00.159	1442.2							
	OBS	00100	- 1.36	33.265	26.78		1442.2							
	OBS	00112	- 1.35	33.305	26.81		1442.5							

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REFID 31 8371 | YEAR 1974 | BOTDP 00172 | AIR TEMP 06.5 | DIR HGT PER | WIND-DIR 07 | INST STD RECORDER | TEN SQ 1307
CONSEC 0046 | MONTH 06 | SHIP EV | WET BULB 05.5 | 00 0 X | WIND-SPD 08 | TRACE DIR D | 5 SQUARE 3
LAT 47 31.3N | DAY 17 | DATA USE 1 | BAROMETR 1024.0 | SEA | WIND-FOR | DURATION 00.1 | 2 SQUARE 60
LONG 051 47.2W | HOUR 01.7 | AREA 05 | CLOUD T/A | CL/TR | WEATHER X4 | ORIG 011 647 | 1 SQUARE 71

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.89	32.42	25.67	00.000	1467.1							
01.7	OBS	00003	04.89	32.425	25.67		1467.2							
	OBS	00007	03.02	32.360	25.80		1459.2							
	STD	00010	02.89	32.38	25.83	00.023	1458.8							
	OBS	00011	02.82	32.400	25.85		1458.5							
	STD	00020	02.34	32.53	25.99	00.044	1456.7							
	OBS	00020	02.29	32.540	26.00		1456.5							
	STD	00030	01.99	32.57	26.05	00.063	1455.4							
	OBS	00030	01.82	32.570	26.06		1454.6							
	OBS	00034	00.02	32.605	26.20		1446.6							
	OBS	00036	- 0.68	32.785	26.37		1443.7							
	OBS	00038	- 1.04	32.840	26.43		1442.1							
	STD	00050	- 1.46	32.94	26.52	00.098	1440.5							
	OBS	00053	- 1.54	32.965	26.54		1440.2							
	STD	00075	- 1.65	33.06	26.62	00.135	1440.2							
	OBS	00076	- 1.65	33.060	26.62		1440.2							
	STD	00100	- 1.72	33.15	26.70	00.170	1440.3							
	OBS	00100	- 1.72	33.155	26.70		1440.4							
	STD	00125	- 1.68	33.22	26.75	00.203	1441.0							
	OBS	00125	- 1.68	33.220	26.75		1441.1							
	STD	00150	- 1.55	33.29	26.80	00.235	1442.1							
	OBS	00150	- 1.55	33.290	26.81		1442.2							
	OBS	00163	- 1.34	33.387	26.88		1443.5							

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REFID 31 8371 | YEAR 1974 | BOTDP 00157 | AIR TEMP 05.7 | DIR HGT PER | WIND-DIR 00 | INST STD RECORDER | TEN SQ 1307
CONSEC 0047 | MONTH 06 | SHIP EV | WET BULB 05.7 | 00 0 X | WIND-SPD 00 | TRACE DIR D | 5 SQUARE 3
LAT 47 31.0N | DAY 17 | DATA USE 1 | BAROMETR 1024.2 | SEA | WIND-FOR | DURATION 00.1 | 2 SQUARE 62
LONG 052 09.8W | HOUR 04.3 | AREA 05 | CLOUD T/A | CL/TR | WEATHER X4 | ORIG 011 648 | 1 SQUARE 72

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.90	31.79	25.36	00.000	1457.8							
04.3	OBS	00000	02.90	31.790	25.36		1457.8							
	OBS	00005	02.52	31.740	25.36		1456.2							
	OBS	00007	02.43	31.750	25.36		1455.8							
	OBS	00009	02.15	31.715	25.35		1454.6							
	STD	00010	02.00	31.81	25.44	00.026	1454.1							
	OBS	00011	01.76	32.057	25.66		1453.4							
	OBS	00013	01.81	32.310	25.86		1454.0							
	OBS	00017	01.58	32.355	25.88		1454.8							
	STD	00020	01.88	32.38	25.91	00.049	1454.5							
	OBS	00020	01.82	32.390	25.92		1454.2							
	OBS	00028	00.60	32.500	26.08		1449.0							
	STD	00030	00.07	32.58	26.18	00.069	1446.7							
	OBS	00030	- 0.10	32.610	26.21		1446.0							
	OBS	00036	- 1.27	32.902	26.48		1441.1							
	STD	00050	- 1.58	33.03	26.60	00.102	1440.0							
	OBS	00051	- 1.60	33.040	26.60		1440.0							
	OBS	00072	- 1.70	33.120	26.67		1439.9							
	STD	00075	- 1.70	33.12	26.67	00.137	1440.0							
	OBS	00076	- 1.70	33.120	26.67		1440.0							
	STD	00100	- 1.70	33.17	26.71	00.171	1440.5							
	OBS	00100	- 1.70	33.170	26.71		1440.5							
	STD	00125	- 1.70	33.22	26.75	00.204	1440.9							
	OBS	00125	- 1.70	33.220	26.75		1441.0							
	OBS	00148	- 1.50	33.340	26.84		1442.5							

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REFID 31 8371 YEAR 1974 BOTDP 01154 AIR TEMP 07.0 DIR HGT PER WIND-DIR 25 INST STD RECORDER TEN SQ 1306
CONSEC 0048 MONTH 06 SHIP EV WET BULB 06.8 29 2 3 WIND-SPD 12 TRACE DIR D 5 SQUARE 4
LAT 47 04.5N DAY 21 DATA USE 1 BAROMETR 1009.7 SEA WIND-FOR DURATION 00.4 2 SQUARE 66
LONG 046 53.5W HOUR 17.3 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 650 1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	05.12	33.66	26.62	00.000	1469.7							
17.3	OBS	00005	05.12	33.660	26.62		1469.8							
	STD	00010	05.07	33.66	26.63	00.014	1469.7							
	OBS	00011	05.03	33.660	26.63		1469.5							
	OBS	00017	04.80	33.650	26.65		1468.7							
	STD	00020	04.61	33.70	26.71	00.028	1468.0							
	OBS	00020	04.35	33.700	26.74		1466.9							
	OBS	00022	03.48	33.680	26.81		1463.2							
	OBS	00024	03.14	33.790	26.93		1462.0							
	STD	00030	03.09	33.83	26.97	00.040	1461.9							
	OBS	00030	03.08	33.840	26.98		1461.9							
	OBS	00034	03.21	33.930	27.03		1462.6							
	OBS	00036	03.72	34.020	27.06		1465.0							
	OBS	00043	03.76	34.020	27.05		1465.2							
	OBS	00047	03.33	34.040	27.11		1463.5							
	STD	00050	03.27	34.07	27.14	00.061	1463.3							
	OBS	00051	03.25	34.090	27.16		1463.3							
	OBS	00060	03.29	34.200	27.24		1463.8							
	OBS	00062	02.81	34.140	27.24		1461.7							
	OBS	00066	02.46	34.130	27.26		1460.2							
	OBS	00068	02.78	34.270	27.34		1461.8							
	OBS	00074	02.29	34.325	27.43		1459.8							
	STD	00075	02.33	34.33	27.43	00.081	1460.0							
	OBS	00079	02.71	34.377	27.44		1461.8							
	OBS	00081	02.92	34.417	27.45		1462.8							
	OBS	00089	02.91	34.425	27.45		1462.9							
	OBS	00095	02.55	34.390	27.46		1461.4							
	STD	00100	02.65	34.43	27.48	00.097	1462.0							
	OBS	00100	02.65	34.430	27.48		1462.0							
	OBS	00102	02.64	34.425	27.48		1462.0							
	OBS	00108	02.39	34.447	27.52		1461.0							
	OBS	00110	02.59	34.480	27.53		1461.9							
	OBS	00123	02.48	34.497	27.55		1461.7							
	STD	00125	02.53	34.51	27.56	00.111	1462.0							
	OBS	00129	02.64	34.545	27.58		1462.6							
	OBS	00133	02.64	34.553	27.58		1462.6							
	OBS	00140	02.40	34.520	27.58		1461.7							
	OBS	00144	02.27	34.537	27.60		1461.2							
	STD	00150	02.31	34.54	27.60	00.124	1461.4							
	OBS	00150	02.31	34.540	27.60		1461.5							
	OBS	00175	02.49	34.590	27.62		1462.7							
	STD	00200	02.68	34.64	27.65	00.149	1464.0							
	OBS	00203	02.70	34.645	27.65		1464.2							
	OBS	00226	02.77	34.660	27.66		1464.9							
	STD	00250	02.82	34.68	27.67	00.172	1465.5							
	OBS	00251	02.83	34.686	27.67		1465.6							
	OBS	00276	03.22	34.740	27.68		1467.7							
	STD	00300	03.42	34.77	27.68	00.194	1469.0							
	OBS	00300	03.42	34.770	27.68		1469.0							
	OBS	00350	03.53	34.790	27.69		1470.4							
	STD	00400	03.63	34.82	27.70	00.238	1471.6							
	OBS	00401	03.63	34.820	27.70		1471.7							
	OBS	00453	03.75	34.847	27.71		1473.1							
	STD	00500	03.79	34.86	27.72	00.282	1474.0							
	OBS	00500	03.79	34.860	27.72		1474.0							
	OBS	00550	03.78	34.867	27.72		1474.8							
	STD	00600	03.74	34.87	27.73	00.325	1475.5							
	OBS	00601	03.74	34.870	27.73		1475.5							
	OBS	00651	03.74	34.876	27.73		1476.3							
	STD	00700	03.69	34.87	27.74	00.368	1476.9							
	OBS	00700	03.69	34.870	27.74		1476.9							
	OBS	00750	03.67	34.870	27.74		1477.7							
	STD	00800	03.63	34.87	27.74	00.411	1478.4							
	OBS	00801	03.63	34.870	27.74		1478.4							
	OBS	00850	03.60	34.870	27.75		1479.1							
	STD	00900	03.58	34.87	27.75	00.454	1479.8							
	OBS	00900	03.58	34.870	27.75		1479.8							
	OBS	00953	03.56	34.870	27.75		1480.6							
	STD	01000	03.56	34.88	27.76	00.498	1481.4							
	OBS	01001	03.56	34.880	27.76		1481.4							
	OBS	01022	03.55	34.880	27.76		1481.7							

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REFID 31 8371 YEAR 1974 BOTDP 00984 AIR TEMP 06.0 DIR HGT PER WIND-DIR 31 INST STD RECORDER TEN SQ 1306
CONSEC 0049 MONTH 06 SHIP EV WET BULB 06.0 26 2 3 WIND-SPD 12 TRACE DIR D 5 SQUARE 4
LAT 47 05.0N DAY 21 DATA USE 1 BAROMETR 1008.8 SEA WIND-FOR DURATION 00.4 2 SQUARE 66
LONG 047 06.5W HOUR 19.2 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 651 1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.81	32.96	26.21	00.000	1463.3							
19.2	OBS	00001	03.81	32.960	26.21		1463.3							
	OBS	00009	03.82	32.940	26.19		1463.5							
	STD	00010	03.81	32.94	26.19	00.018	1463.5							
	OBS	00011	03.78	32.940	26.19		1463.3							
	OBS	00017	03.44	33.020	26.29		1462.1							
	STD	00020	02.98	32.98	26.30	00.036	1460.1							
	OBS	00020	02.83	32.970	26.30		1459.5							
	OBS	00024	02.17	33.170	26.52		1456.9							
	STD	00030	02.23	33.33	26.64	00.052	1457.5							
	OBS	00030	02.23	33.340	26.65		1457.5							
	OBS	00034	02.20	33.350	26.66		1457.4							
	OBS	00036	01.39	33.340	26.71		1453.9							
	OBS	00041	00.75	33.410	26.81		1451.2							
	OBS	00045	00.00	33.430	26.86		1447.9							
	OBS	00047	- 0.55	33.500	26.94		1445.5							
	OBS	00049	- 0.74	33.600	27.03		1444.7							
	STD	00050	- 0.74	33.60	27.03	00.076	1444.8							
	OBS	00051	- 0.74	33.610	27.04		1444.8							
	OBS	00060	- 0.41	33.770	27.15		1446.7							
	OBS	00064	00.25	33.820	27.16		1449.9							
	OBS	00068	00.34	33.820	27.16		1450.3							
	STD	00075	00.06	33.85	27.20	00.100	1449.2							
	OBS	00076	- 0.04	33.860	27.21		1448.8							

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REFID 31 8371 YEAR 1974 BOTDP 00263 AIR TEMP 06.0 DIR HGT PER WIND-DIR 24 INST STD RECORDER TEN SQ 1306
CONSEC 0050 MONTH 06 SHIP EV WET BULB 05.7 29 2 3 WIND-SPD 12 TRACE DIR D 5 SQUARE 4
LAT 47 04.8N DAY 21 DATA USE 1 BAROMETR 1007.5 SEA WIND-FOR DURATION 00.2 2 SQUARE 66
LONG 047 21.0W HOUR 21.1 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 652 1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.50	32.75	26.07	00.000	1461.7							
21.1	OBS	00001	03.50	32.750	26.07		1461.7							
	STD	00010	03.40	32.79	26.11	00.019	1461.5							
	OBS	00011	03.38	32.790	26.11		1461.4							
	OBS	00013	03.40	32.790	26.11		1461.5							
	OBS	00015	02.76	32.740	26.13		1458.7							
	OBS	00017	02.59	32.760	26.16		1458.1							
	OBS	00019	02.13	32.970	26.36		1456.4							
	STD	00020	01.99	32.99	26.39	00.037	1455.8							
	OBS	00020	01.87	33.000	26.41		1455.3							
	OBS	00028	01.17	33.130	26.56		1452.5							
	STD	00030	00.91	33.11	26.55	00.053	1451.3							
	OBS	00038	- 0.27	33.050	26.57		1446.0							
	OBS	00045	- 0.83	33.150	26.67		1443.6							
	OBS	00049	- 1.35	33.190	26.72		1441.3							
	STD	00050	- 1.40	33.22	26.74	00.081	1441.1							
	OBS	00051	- 1.51	33.277	26.79		1440.7							
	OBS	00057	- 1.56	33.320	26.83		1440.6							
	STD	00075	- 1.28	33.49	26.96	00.111	1442.5							
	OBS	00076	- 1.26	33.500	26.97		1442.6							
	STD	00100	- 0.68	33.69	27.10	00.137	1446.0							
	OBS	00102	- 0.61	33.705	27.11		1446.4							
	STD	00125	- 0.08	33.85	27.20	00.180	1449.4							
	OBS	00125	- 0.07	33.850	27.20		1449.4							
	STD	00150	00.51	34.02	27.31	00.181	1452.7							
	OBS	00150	00.52	34.020	27.31		1452.8							
	OBS	00175	00.98	34.130	27.37		1455.4							
	STD	00200	01.24	34.24	27.44	00.216	1457.1							
	OBS	00201	01.25	34.240	27.44		1457.2							
	OBS	00226	01.36	34.240	27.43		1458.1							
	STD	00250	01.34	34.23	27.43	00.250	1458.4							
	OBS	00253	01.34	34.230	27.43		1458.5							
	OBS	00255	01.34	34.230	27.43		1458.5							

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REFID 31 8371 YEAR 1974 BOTDP 00212 AIR TEMP 07.1 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1306
CONSEC 0051 MONTH 06 SHIP EV WET BULB 07.1 08 0 3 WIND-SPD 16 TRACE DIR 0 5 SQUARE 4
LAT 47 04.8N DAY 21 DATA USE I BAROMETR 1007.1 SEA WIND-FOR DURATION 00.1 2 SQUARE 66
LONG 047 34.0W HOUR 22.6 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 653 1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.28	32.68	26.04	00.000	1460.7							
22.6	OBS	00001	03.28	32.683	26.04		1460.7							
	OBS	00005	03.27	32.675	26.03		1460.7							
	STD	00010	03.07	32.70	26.07	00.020	1460.0							
	OBS	00011	02.99	32.710	26.08		1459.6							
	OBS	00017	02.55	32.793	26.19		1457.9							
	STD	00020	02.34	32.77	26.18	00.039	1457.0							
	OBS	00020	02.27	32.765	26.19		1456.7							
	OBS	00028	01.41	32.910	26.36		1453.3							
	STD	00030	00.64	32.89	26.39	00.056	1449.8							
	OBS	00034	- 0.79	32.820	26.40		1443.2							
	OBS	00036	- 0.98	33.043	26.59		1442.6							
	OBS	00040	- 1.41	33.160	26.70		1440.8							
	OBS	00041	- 1.33	33.175	26.71		1441.3							
	STD	00050	- 1.64	33.23	26.76	00.085	1440.0							
	OBS	00051	- 1.67	33.235	26.76		1439.9							
	OBS	00064	- 1.72	33.270	26.79		1439.9							
	STD	00075	- 1.71	33.30	26.81	00.117	1440.2							
	OBS	00076	- 1.71	33.300	26.82		1440.2							
	STD	00100	- 1.61	33.38	26.88	00.147	1441.2							
	OBS	00100	- 1.60	33.383	26.88		1441.3							
	STD	00125	- 1.40	33.48	26.95	00.176	1442.7							
	OBS	00127	- 1.36	33.495	26.97		1443.0							
	STD	00150	- 0.76	33.69	27.10	00.202	1446.4							
	OBS	00150	- 0.75	33.690	27.10		1446.5							
	OBS	00175	- 0.15	33.835	27.19		1449.9							
	STD	00200	00.23	33.94	27.26	00.246	1452.2							
	OBS	00201	00.24	33.940	27.26		1452.2							
	OBS	00205	00.26	33.942	27.26		1452.4							

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REFID 31 8371 YEAR 1974 BOTDP 00177 AIR TEMP 06.9 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1306
CONSEC 0052 MONTH 06 SHIP EV WET BULB 06.9 08 0 3 WIND-SPD 20 TRACE DIR 0 5 SQUARE 4
LAT 47 05.5N DAY 21 DATA USE 1 BAROMETR 1006.7 SEA WIND-FOR DURATION 00.1 2 SQUARE 66
LONG 047 52.0W HOUR 23.9 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 654 1 SQUARE 77

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.01	32.62	26.01	00.000	1459.4							
23.9	OBS	00000	03.01	32.620	26.01		1459.4							
	OBS	00003	03.01	32.610	26.00		1459.5							
	STD	00010	03.02	32.62	26.01	00.020	1459.6							
	OBS	00011	03.02	32.620	26.01		1459.6							
	OBS	00015	03.02	32.620	26.01		1459.7							
	OBS	00019	02.68	32.620	26.04		1458.3							
	STD	00020	02.68	32.62	26.04	00.040	1458.3							
	OBS	00020	02.68	32.630	26.05		1458.3							
	OBS	00028	02.37	32.840	26.24		1457.4							
	STD	00030	02.07	32.85	26.27	00.059	1456.1							
	OBS	00030	01.98	32.860	26.28		1455.7							
	OBS	00041	01.33	33.080	26.50		1453.3							
	OBS	00045	- 0.02	33.040	26.55		1447.2							
	OBS	00047	- 0.14	33.160	26.65		1446.9							
	STD	00050	00.68	33.24	26.67	00.090	1450.8							
	OBS	00053	01.04	33.290	26.69		1452.5							
	OBS	00060	- 1.52	33.160	26.70		1440.7							
	OBS	00072	- 1.70	33.250	26.78		1440.1							
	OBS	00074	- 1.70	33.260	26.78		1440.2							
	STD	00075	00.55	33.27	26.70 *	00.124	1450.7							
	OBS	00076	01.70	33.283	26.64 *		1455.8							
	OBS	00078	- 1.65	33.300	26.82		1440.5							
	OBS	00079	- 1.36	33.310	26.82		1441.9							
	OBS	00087	- 1.38	33.345	26.85		1442.0							
	OBS	00093	- 0.77	33.385	26.86		1445.0							
	OBS	00095	- 0.74	33.400	26.87		1445.2							
	OBS	00099	- 1.36	33.365	26.86		1442.3							
	STD	00100	- 1.37	33.36	26.85	00.156	1442.3							
	OBS	00100	- 1.38	33.350	26.85		1442.2							
	STD	00125	- 1.18	33.52	26.98	00.184	1443.8							
	OBS	00125	- 1.17	33.520	26.98		1443.9							
	STD	00150	- 0.82	33.68	27.10	00.210	1446.1							
	OBS	00150	- 0.77	33.685	27.10		1446.4							
	OBS	00152	- 0.49	33.730	27.13		1447.8							
	OBS	00165	- 0.35	33.751	27.14		1448.7							

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REFID 31 8371	YEAR 1974	BOTDP 00148	AIR TEMP 06.7	DIR PGT PER	WIND-DIR 23	INST STD RECORDER		TEN SQ 1306
CONSEC 0053	MONTH 06	SHIP EV	WET BULB 06.7	00 0 X	WIND-SPD 16	TRACE DIR	0	5 SQUARE 4
LAT 47 04.2N	DAY 22	DATA USE 1	BAROMETR 1006.8	SEA	WIND-FOR	DURATION	00.2	2 SQUARE 68
LONG 048 03.5W	HOUR 01.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 655		1 SQUARE 78

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	03.59	32.74	26.01	00.000	1463.8							
01.5	OBS	00000	03.59	32.740	26.01		1463.8							
	STD	00010	03.93	32.72.	26.01	00.020	1463.7							
	OBS	00011	03.92	32.720	26.01		1463.6							
	OBS	00013	03.94	32.730	26.01		1463.8							
	OBS	00015	03.32	32.665	26.02		1461.1							
	STD	00020	02.66	32.77	26.16	00.039	1458.4							
	OBS	00020	02.57	32.790	26.18		1458.1							
	OBS	00028	02.20	32.860	26.27		1456.7							
	STD	00030	02.08	32.85	26.26	00.058	1456.2							
	OBS	00030	02.04	32.840	26.26		1456.0							
	STD	00050	- 0.42	32.88	26.43	00.091	1445.2							
	OBS	00051	- 0.50	32.920	26.47		1444.5							
	OBS	00053	- 0.59	32.990	26.53		1444.7							
	OBS	00055	- 1.06	32.990	26.55		1442.5							
	STD	00075	- 1.58	33.14	26.68	00.128	1440.6							
	OBS	00076	- 1.59	33.146	26.69		1440.6							
	OBS	00085	- 1.66	33.240	26.77		1440.5							
	STD	00100	- 1.57	33.31	26.82	00.161	1441.3							
	OBS	00100	- 1.56	33.310	26.82		1441.3							
	STD	00125	- 1.28	33.41	26.90	00.191	1443.2							
	OBS	00125	- 1.27	33.417	26.90		1443.3							
	OBS	00135	- 1.00	33.474	26.94		1444.8							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID 31 8371	YEAR 1974	BOTDP 03698	AIR TEMP 10.3	DIR HGT PER	WIND-DIR 34	INST STD RECORDER	TEN SQ 1306
CONSEC 0054	MONTH 06	SHIP EV	WET BULB 09.7	34 3 3	WIND-SPD 15	TRACE DIR 0	5 SQUARE 2
LAT 44 39.5N	DAY 29	DATA USE 1	BAROMETR 1016.9	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 046 00.3W	HOUR 16.2	AREA 05	CLOUD T/A	CL/TR	WEATHER X2	ORIG 011 656 12	1 SQUARE 46

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	10.07	33.06	25.45	00.000	1488.2							
16.2	OBS	00001	10.07	33.060	25.45		1488.2							
	OBS	00007	10.06	33.045	25.44		1488.2							
	STD	00010	10.08	33.05	25.44	00.025	1488.3							
	OBS	00011	10.08	33.050	25.44		1488.4							
	OBS	00017	10.04	33.183	25.55		1488.5							
	OBS	00019	08.64	33.247	25.82		1483.4							
	STD	00020	08.66	33.58	26.08	00.048	1483.9							
	OBS	00020	08.70	33.780	26.23		1484.3							
	OBS	00022	08.82	33.925	26.33		1485.0							
	STD	00030	12.38	34.78	26.36	00.066	1499.0							
	OBS	00030	12.63	34.905	26.41		1500.0							
	OBS	00032	13.57	35.450	26.64		1503.9							
	OBS	00034	13.93	35.580	26.67		1505.2							
	OBS	00040	12.98	35.370	26.70		1501.9							
	OBS	00045	12.98	35.380	26.71		1502.0							
	OBS	00049	13.34	35.507	26.73		1503.4							
	STD	00050	13.35	35.51	26.74	00.096	1503.5							
	OBS	00051	13.36	35.520	26.74		1503.6							
	STD	00075	12.98	35.49	26.79	00.129	1502.6							
	OBS	00076	12.98	35.483	26.79		1502.7							
	OBS	00083	13.00	35.465	26.77		1502.8							
	OBS	00087	12.63	35.375	26.78		1501.5							
	OBS	00099	12.50	35.390	26.81		1501.3							
	STD	00100	12.33	35.35	26.82	00.161	1500.7							
	OBS	00100	12.21	35.332	26.82		1500.3							
	OBS	00104	12.13	35.337	26.84		1500.1							
	OBS	00106	11.82	35.255	26.84		1498.9							
	OBS	00110	11.54	35.176	26.83		1497.9							
	OBS	00118	10.51	35.030	26.91		1494.2							
	OBS	00121	10.62	35.090	26.93		1494.7							
	STD	00125	09.97	34.99	26.97	00.191	1492.3							
	OBS	00125	09.90	34.980	26.97		1492.1							
	OBS	00129	09.88	35.000	26.99		1492.1							
	OBS	00131	09.10	34.850	27.00		1489.0							
	OBS	00140	08.95	34.815	27.00		1488.6							
	OBS	00144	08.38	34.707	27.01		1486.4							
	STD	00150	08.36	34.72	27.02	00.218	1486.4							
	OBS	00150	08.36	34.725	27.02		1486.4							
	OBS	00154	08.32	34.700	27.01		1486.3							
	OBS	00158	07.99	34.678	27.04		1485.1							
	OBS	00175	08.25	34.790	27.09		1486.5							
	OBS	00178	08.24	34.826	27.12		1486.5							
	OBS	00186	09.45	35.120	27.16		1491.6							
	STD	00200	09.46	35.12	27.16	00.269	1491.8							
	OBS	00201	09.49	35.120	27.15		1492.0							
	OBS	00211	09.78	35.200	27.16		1493.3							
	OBS	00215	09.79	35.200	27.16		1493.4							
	OBS	00222	09.19	35.070	27.16		1491.2							
	OBS	00232	08.11	34.850	27.16		1487.0							
	OBS	00236	07.61	34.765	27.17		1485.0							
	STD	00250	07.14	34.75	27.23	00.315	1483.4							
	OBS	00251	07.10	34.753	27.23		1483.2							
	OBS	00258	07.28	34.813	27.25		1484.1							
	OBS	00268	07.19	34.795	27.25		1483.9							
	OBS	00272	06.54	34.675	27.25		1481.3							
	OBS	00276	06.48	34.690	27.27		1481.1							
	OBS	00281	06.34	34.657	27.26		1480.6							
	OBS	00285	05.96	34.600	27.26		1479.1							
	OBS	00291	05.46	34.530	27.27		1477.1							
	OBS	00298	05.42	34.580	27.31		1477.1							
	STD	00300	05.62	34.62	27.32	00.358	1478.0							
	OBS	00306	06.21	34.750	27.35		1480.6							
	OBS	00308	06.19	34.750	27.35		1480.6							
	OBS	00325	05.90	34.745	27.39		1479.7							
	OBS	00335	07.18	35.020	27.43		1485.3							
	OBS	00350	07.24	35.035	27.43		1485.8							
	STD	00400	06.79	35.04	27.50	00.431	1484.8							
	OBS	00401	06.77	35.045	27.51		1484.8							
	OBS	00449	06.27	35.000	27.54		1483.6							
	OBS	00456	05.73	34.940	27.56		1481.4							
	STD	00500	05.48	34.94	27.59	00.492	1481.1							
	OBS	00500	05.48	34.940	27.59		1481.1							
	OBS	00552	05.46	34.990	27.63		1482.0							
	STD	00600	05.57	35.03	27.66	00.547	1483.3							
	OBS	00601	05.57	35.035	27.66		1483.3							
	OBS	00649	05.40	35.020	27.66		1483.4							
	OBS	00656	04.85	34.935	27.66		1481.1							
	STD	00700	04.67	34.94	27.69	00.598	1481.1							
	OBS	00700	04.67	34.945	27.69		1481.1							
	OBS	00750	04.74	34.960	27.69		1482.3							
	STD	00800	04.40	34.92	27.70	00.646	1481.6							
	OBS	00801	04.39	34.920	27.70		1481.6							
	OBS	00850	04.24	34.910	27.71		1481.8							
	STD	00900	04.15	34.90	27.71	00.695	1482.2							
	OBS	00902	04.15	34.900	27.71		1482.3							
	OBS	00951	04.21	34.940	27.74		1483.4							
	OBS	00997	04.06	34.910	27.73		1483.5							
	STD	01000	04.07	34.92	27.73	00.742	1483.6							
	OBS	01001	04.07	34.920	27.74		1483.6							
	OBS	01026	04.08	34.920	27.74		1484.1							

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REFID 31 8371 YEAR 1974 BOTDP 03475 AIR TEMP DIR HGT PER WIND-DIR 31 INST STD RECORDER TEN SQ 1306
CONSEC 0055 MONTH 06 SHIP EV WET BULB 35 2 2 WIND-SPD 06 TRACE DIR D 5 SQUARE 2
LAT 44 53.8N DAY 29 DATA USE 1 BAROMETR 1019.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 46
LONG 046 35.5W HOUR 20.7 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 657 1 SQUARE 46

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	05.72	32.98	26.01	00.000	1471.3							
20.7	OBS	00001	05.72	32.977	26.01		1471.3							
	OBS	00005	05.74	32.975	26.01		1471.4							
	STD	00010	05.59	32.97	26.02	00.020	1470.9							
	OBS	00011	05.55	32.970	26.03		1470.8							
	STD	00020	05.35	32.99	26.06	00.040	1470.1							
	OBS	00020	05.33	32.990	26.07		1470.0							
	OBS	00022	05.28	32.985	26.07		1469.9							
	OBS	00024	04.86	33.045	26.17		1468.2							
	OBS	00028	04.82	33.060	26.18		1468.1							
	STD	00030	03.30	32.95	26.25	00.058	1461.6							
	OBS	00030	02.93	32.914	26.25		1460.0							
	OBS	00032	02.31	33.195	26.53		1457.7							
	OBS	00036	02.31	33.230	26.55		1457.8							
	OBS	00038	01.18	33.160	26.58		1452.7							
	OBS	00041	01.12	33.260	26.66		1452.7							
	OBS	00043	00.60	33.287	26.72		1450.4							
	STD	00050	00.11	33.49	26.90	00.088	1448.5							
	OBS	00051	00.03	33.520	26.93		1448.2							
	OBS	00066	- 0.04	33.603	27.02		1448.3							
	OBS	00070	- 0.29	33.620	27.03		1447.2							
	OBS	00074	- 0.18	33.795	27.16		1448.0							
	STD	00075	- 0.10	33.79	27.16	00.114	1448.4							
	OBS	00085	00.61	33.850	27.17		1451.5							
	OBS	00087	00.68	33.870	27.18		1452.3							
	OBS	00091	01.23	33.930	27.19		1454.9							
	OBS	00097	00.30	33.850	27.18		1450.7							
	STD	00100	00.91	33.89	27.18	00.137	1453.6							
	OBS	00110	02.00	34.040	27.23		1456.8							
	OBS	00112	02.01	34.115	27.28		1458.9							
	OBS	00114	02.21	34.195	27.33		1460.0							
	OBS	00116	02.72	34.250	27.33		1462.3							
	OBS	00118	02.61	34.270	27.34		1462.7							
	OBS	00121	03.65	34.400	27.37		1466.6							
	OBS	00123	03.87	34.440	27.38		1467.6							
	STD	00125	03.76	34.43	27.38	00.157	1467.1							
	OBS	00148	03.07	34.340	27.37		1464.5							
	STD	00150	03.10	34.34	27.37	00.175	1464.6							
	OBS	00150	03.13	34.340	27.37		1464.7							
	OBS	00156	04.64	34.590	27.41		1471.5							
	OBS	00165	05.08	34.635	27.40		1473.6							
	OBS	00175	03.54	34.450	27.42		1467.1							
	OBS	00177	03.53	34.460	27.43		1467.1							
	OBS	00180	02.76	34.360	27.42		1463.7							
	OBS	00188	02.36	34.480	27.46		1466.5							
	OBS	00190	03.65	34.550	27.45		1467.9							
	OBS	00194	04.15	34.610	27.46		1470.2							
	OBS	00196	04.17	34.620	27.45		1470.3							
	OBS	00199	04.74	34.690	27.48		1472.8							
	STD	00200	04.74	34.69	27.48	00.209	1472.8							
	OBS	00201	04.76	34.690	27.48		1472.9							
	OBS	00226	04.80	34.745	27.52		1473.6							
	OBS	00247	04.70	34.730	27.52		1473.5							
	STD	00250	04.49	34.72	27.53	00.239	1472.6							
	OBS	00253	04.30	34.710	27.55		1471.9							
	OBS	00268	04.53	34.790	27.56		1473.2							
	OBS	00277	03.46	34.650	27.58		1468.7							
	STD	00300	03.53	34.70	27.62	00.267	1469.4							
	OBS	00300	03.53	34.705	27.62		1469.4							
	OBS	00342	03.71	34.755	27.64		1470.9							
	OBS	00350	03.28	34.715	27.65		1469.2							
	STD	00400	03.44	34.78	27.69	00.314	1470.8							
	OBS	00401	03.45	34.780	27.69		1470.9							
	OBS	00453	03.62	34.817	27.70		1472.5							
	STD	00500	03.86	34.88	27.73	00.358	1474.3							
	OBS	00502	03.87	34.880	27.73		1474.4							
	OBS	00550	04.02	34.900	27.73		1475.5							
	STD	00600	04.03	34.90	27.73	00.402	1476.7							
	OBS	00601	04.03	34.900	27.73		1476.8							
	OBS	00651	04.07	34.950	27.76		1477.8							
	STD	00700	04.04	34.93	27.75	00.445	1478.5							
	OBS	00702	04.03	34.930	27.75		1478.5							
	OBS	00710	03.99	34.925	27.75		1478.4							
	OBS	00717	04.19	34.940	27.74		1479.4							
	OBS	00750	03.90	34.920	27.75		1478.7							
	OBS	00793	04.19	34.950	27.75		1480.7							
	STD	00800	04.17	34.94	27.75	00.488	1480.7							
	OBS	00866	04.04	34.915	27.74		1481.2							
	STD	00900	03.99	34.92	27.74	00.533	1481.6							
	OBS	00900	03.99	34.920	27.75		1481.6							
	OBS	00953	03.91	34.940	27.77		1482.2							
	STD	01000	03.78	34.92	27.77	00.577	1482.4							
	OBS	01001	03.78	34.920	27.77		1482.4							
	OBS	01024	03.78	34.924	27.77		1482.8							

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REFID 31 8371 YEAR 1974 BOTOP 03017 AIR TEMP DIR HGT PER WIND-DIR 31 INST STD RECORDER TEN SQ 1306
CONSEC 0056 MONTH 06 SHIP EV WET BULB 00 0 X WIND-SPD 09 TRACE DIR D 5 SQUARE 4
LAT 45 05.2N DAY 30 DATA USE 1 BAROMETR 1020.5 SEA WIND-FOR DURATION 00.5 2 SQUARE 46
LONG 047 04.8W HOUR 00.1 AREA 05 CLOUD T/A CL/TR WEATHER X2 CRIG 011 658 1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	06.16	33.01	25.98	00.000	1473.1							
00.1	OBS	00003	06.16	33.010	25.98		1473.2							
	STD	00010	05.77	33.03	26.05	00.020	1471.7							
	OBS	00011	05.71	33.030	26.06		1471.5							
	OBS	00017	05.60	33.040	26.08		1471.1							
	STD	00020	05.40	32.99	26.06	00.040	1470.3							
	OBS	00020	05.02	32.950	26.07		1468.7							
	OBS	00022	03.72	32.830	26.11		1463.1							
	OBS	00024	03.08	33.080	26.37		1460.8							
	STD	00030	02.40	33.22	26.54	00.057	1458.1							
	OBS	00030	02.36	33.230	26.55		1457.9							
	OBS	00036	02.13	33.250	26.58		1457.0							
	OBS	00038	01.84	33.270	26.62		1455.8							
	OBS	00040	01.68	33.310	26.66		1455.2							
	OBS	00041	01.61	33.320	26.68		1454.9							
	STD	00050	00.41	33.46	26.87	00.084	1449.8							
	OBS	00051	00.32	33.480	26.89		1449.5							
	OBS	00055	00.26	33.520	26.92		1449.3							
	OBS	00059	00.12	33.510	26.92		1448.7							
	OBS	00064	- 0.33	33.620	27.03		1446.9							
	OBS	00068	- 0.06	33.700	27.08		1448.3							
	STD	00075	00.01	33.75	27.12	00.111	1448.8							
	OBS	00076	00.02	33.770	27.13		1448.9							
	OBS	00078	00.27	33.800	27.15		1450.1							
	OBS	00097	00.64	33.955	27.25		1452.4							
	STD	00100	00.82	33.97	27.25	00.133	1453.2							
	OBS	00102	00.89	33.980	27.25		1453.6							
	OBS	00104	00.88	33.990	27.26		1453.6							
	OBS	00108	01.04	34.050	27.30		1454.5							
	OBS	00116	01.92	34.190	27.35		1458.7							
	OBS	00121	02.38	34.250	27.36		1460.9							
	STD	00125	02.42	34.25	27.36	00.153	1461.1							
	OBS	00125	02.43	34.250	27.36		1461.2							
	OBS	00127	02.45	34.290	27.39		1461.4							
	OBS	00129	02.79	34.350	27.41		1462.9							
	OBS	00131	02.85	34.360	27.41		1463.3							
	OBS	00139	03.25	34.405	27.41		1465.2							
	STD	00150	03.42	34.44	27.42	00.170	1466.1							
	OBS	00150	03.45	34.455	27.43		1466.3							
	OBS	00152	03.62	34.535	27.48		1467.1							
	OBS	00158	04.21	34.610	27.48		1469.8							
	OBS	00161	04.58	34.670	27.48		1471.5							
	OBS	00173	04.56	34.650	27.47		1471.6							
	OBS	00177	04.15	34.610	27.48		1469.9							
	OBS	00178	04.13	34.600	27.48		1469.8							
	OBS	00184	04.56	34.660	27.48		1471.8							
	OBS	00188	04.44	34.630	27.47		1471.3							
	OBS	00192	03.96	34.590	27.49		1469.3							
	OBS	00198	03.85	34.580	27.49		1468.9							
	STD	00200	03.62	34.56	27.49	00.203	1467.9							
	OBS	00203	03.36	34.540	27.51		1466.9							
	OBS	00207	03.34	34.560	27.52		1466.9							
	OBS	00209	03.68	34.620	27.54		1468.4							
	OBS	00213	03.72	34.640	27.55		1468.7							
	OBS	00218	04.22	34.700	27.55		1471.0							
	OBS	00222	04.22	34.710	27.55		1471.1							
	OBS	00226	04.47	34.750	27.56		1472.2							
	STD	00250	04.72	34.80	27.57	00.232	1473.7							
	OBS	00251	04.73	34.798	27.57		1473.8							
	OBS	00266	04.50	34.790	27.59		1473.1							
	OBS	00276	04.23	34.765	27.60		1472.0							
	OBS	00277	04.30	34.790	27.61		1472.4							
	OBS	00287	04.05	34.752	27.61		1471.5							
	STD	00300	03.99	34.76	27.62	00.259	1471.4							
	OBS	00300	03.99	34.760	27.62		1471.4							
	OBS	00336	04.27	34.810	27.63		1473.3							
	OBS	00340	04.05	34.790	27.64		1472.4							
	OBS	00350	04.06	34.810	27.65		1472.6							
	STD	00400	04.18	34.86	27.67	00.308	1474.0							
	OBS	00401	04.18	34.857	27.68		1474.0							
	OBS	00451	04.17	34.880	27.69		1474.8							
	STD	00500	04.08	34.87	27.70	00.354	1475.3							
	OBS	00500	04.08	34.870	27.70		1475.3							
	OBS	00552	04.11	34.895	27.71		1476.3							
	STD	00600	04.21	34.91	27.71	00.395	1477.5							
	OBS	00601	04.21	34.910	27.71		1477.5							
	OBS	00651	04.06	34.900	27.72		1477.7							
	STD	00700	04.05	34.92	27.74	00.444	1478.5							
	OBS	00700	04.05	34.920	27.74		1478.5							
	OBS	00750	03.99	34.910	27.74		1479.1							
	STD	00800	03.92	34.91	27.74	00.487	1479.6							
	OBS	00801	03.92	34.910	27.74		1479.6							
	OBS	00850	03.83	34.900	27.75		1480.1							
	STD	00900	03.78	34.90	27.75	00.531	1480.7							
	OBS	00900	03.78	34.900	27.75		1480.7							
	OBS	00951	03.80	34.910	27.76		1481.6							
	STD	01000	03.74	34.90	27.76	00.575	1482.2							
	OBS	01001	03.74	34.900	27.76		1482.2							
	OBS	01024	03.78	34.910	27.76		1482.8							

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REFID 31 8371	YEAR 1974	BOTDP 02743	AIR TEMP 06.5	DIR HGT PER	WIND-DIR 23	INST STD RECORDER	TEN SQ 1306
CONSEC 0057	MONTH 06	SHIP EV	WET BULB 06.2	00 0 X	WIND-SPD 04	TRACE DIR D	5 SQUARE 4
LAT 45 13.0N	DAY 30	DATA USE 1	BAROMETR 1020.0	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 047 31.3W	HOUR 03.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X0	ORIG 011 659	1 SQUARE 57

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	06.51	33.04	25.96	00.000	1474.5							
03.5	OBS	00003	06.51	33.040	25.96		1474.6							
	STD	00010	06.44	33.04	25.97	00.020	1474.4							
	OBS	00011	06.43	33.040	25.97		1474.4							
	OBS	00013	06.07	33.000	25.99		1472.9							
	STD	00020	05.52	33.10	26.13	00.040	1470.9							
	OBS	00020	05.44	33.117	26.16		1470.7							
	OBS	00026	04.91	33.253	26.32		1468.7							
	OBS	00028	04.54	33.345	26.44		1467.4							
	STD	00030	04.54	33.36	26.45	00.058	1467.4							
	OBS	00030	04.54	33.370	26.46		1467.4							
	STD	00050	03.46	33.46	26.64	00.088	1463.3							
	OBS	00051	03.33	33.490	26.67		1462.8							
	OBS	00059	02.50	33.690	26.91		1459.6							
	STD	00075	02.07	34.04	27.22	00.116	1458.5							
	OBS	00076	02.06	34.060	27.24		1458.5							
	OBS	00081	02.04	34.160	27.32		1458.6							
	STD	00100	02.14	34.34	27.46	00.135	1459.6							
	OBS	00100	02.15	34.350	27.46		1459.7							
	STD	00125	02.49	34.47	27.53	00.150	1461.7							
	OBS	00125	02.49	34.470	27.53		1461.7							
	OBS	00129	02.49	34.460	27.52		1461.8							
	OBS	00146	03.17	34.605	27.58		1465.2							
	STD	00150	03.08	34.61	27.59	00.164	1464.9							
	OBS	00152	03.02	34.610	27.59		1464.7							
	OBS	00154	03.16	34.653	27.62		1465.4							
	OBS	00167	03.66	34.690	27.60		1467.8							
	OBS	00175	03.92	34.740	27.61		1469.1							
	STD	00200	03.98	34.74	27.61	00.190	1469.7							
	OBS	00203	03.99	34.743	27.60		1469.8							
	OBS	00207	03.83	34.740	27.62		1469.2							
	OBS	00226	03.97	34.770	27.63		1470.1							
	STD	00250	04.07	34.81	27.65	00.214	1471.0							
	OBS	00253	04.08	34.815	27.65		1471.1							
	OBS	00276	03.90	34.813	27.67		1470.7							
	STD	00300	04.28	34.87	27.68	00.238	1472.8							
	OBS	00300	04.29	34.875	27.68		1472.9							
	OBS	00350	04.13	34.850	27.67		1473.0							
	STD	00400	04.35	34.92	27.71	00.282	1474.8							
	OBS	00401	04.35	34.920	27.71		1474.8							
	OBS	00451	04.26	34.910	27.71		1475.3							
	STD	00500	04.51	34.98	27.74	00.326	1477.2							
	OBS	00500	04.51	34.980	27.74		1477.2							
	OBS	00550	04.51	34.980	27.74		1478.0							
	STD	00600	04.37	34.95	27.73	00.369	1478.3							
	OBS	00601	04.37	34.950	27.73		1478.3							
	OBS	00651	04.28	34.950	27.74		1478.7							
	STD	00700	04.15	34.94	27.74	00.413	1479.0							
	OBS	00700	04.15	34.940	27.74		1479.0							
	OBS	00750	04.08	34.940	27.75		1479.5							
	STD	00800	04.04	34.94	27.76	00.455	1480.2							
	OBS	00801	04.04	34.945	27.76		1480.2							
	OBS	00852	04.06	34.950	27.76		1481.1							
	STD	00900	03.94	34.92	27.75	00.499	1481.4							
	OBS	00900	03.94	34.920	27.75		1481.4							
	OBS	00951	03.81	34.920	27.76		1481.7							
	STD	01000	03.78	34.92	27.77	00.542	1482.4							
	OBS	01001	03.78	34.920	27.77		1482.4							
	OBS	01022	03.75	34.919	27.77		1482.6							

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REFID 31 8371 YEAR 1974 BOTDP 01625 AIR TEMP 06.2 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1306
CONSEC 0058 MONTH 06 SHIP EV WET BULB 06.0 00 0 X WIND-SPD 10 TRACE DIR D 5 SQUARE 4
LAT 45 23.6N DAY 30 DATA USE 1 BAROMETR 1019.3 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 00.0W HOUR 06.3 AREA 05 CLOUD T/A CL/TR WEATHER X0 ORIG 011 660 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	05.09	32.89	26.02	00.000	1468.6							
06.3	OBS	00003	05.09	32.895	26.02		1468.6							
	OBS	00005	05.10	32.906	26.03		1468.7							
	OBS	00007	05.08	32.925	26.05		1468.7							
	STD	00010	04.87	32.91	26.06	00.020	1467.8							
	OBS	00011	04.78	32.905	26.06		1467.5							
	OBS	00017	04.74	32.940	26.10		1467.5							
	STD	00020	03.86	32.98	26.22	00.039	1463.9							
	OBS	00020	03.59	33.010	26.27		1462.8							
	OBS	00022	03.01	33.110	26.40		1460.5							
	STD	00030	02.32	33.22	26.54	00.055	1457.7							
	OBS	00030	02.29	33.220	26.55		1457.6							
	OBS	00032	02.22	33.226	26.55		1457.3							
	OBS	00034	01.91	33.285	26.63		1456.1							
	OBS	00036	01.70	33.350	26.70		1455.3							
	OBS	00038	01.40	33.325	26.69		1453.9							
	OBS	00040	00.95	33.436	26.82		1452.1							
	OBS	00043	00.85	33.515	26.88		1451.8							
	OBS	00045	00.45	33.540	26.93		1450.1							
	STD	00050	00.44	33.60	26.97	00.081	1450.2							
	OBS	00051	00.43	33.617	26.99		1450.2							
	OBS	00068	00.23	33.870	27.20		1449.9							
	STD	00075	00.34	33.93	27.25	00.105	1450.6							
	OBS	00076	00.36	33.945	27.26		1450.7							
	STD	00100	00.82	34.11	27.36	00.125	1453.4							
	OBS	00100	00.83	34.110	27.36		1453.5							
	STD	00125	01.13	34.20	27.41	00.142	1455.4							
	OBS	00125	01.14	34.200	27.42		1455.4							
	STD	00150	01.72	34.34	27.49	00.158	1458.6							
	OBS	00152	01.75	34.350	27.49		1458.8							
	OBS	00175	01.90	34.410	27.53		1459.9							
	STD	00200	02.15	34.50	27.58	00.187	1461.5							
	OBS	00201	02.16	34.500	27.58		1461.6							
	OBS	00226	02.31	34.530	27.59		1462.7							
	STD	00250	02.42	34.56	27.61	00.213	1463.6							
	OBS	00251	02.43	34.565	27.61		1463.7							
	OBS	00276	02.63	34.610	27.63		1465.0							
	STD	00300	02.76	34.63	27.63	00.237	1466.0							
	OBS	00300	02.77	34.630	27.63		1466.1							
	OBS	00352	03.16	34.710	27.66		1468.7							
	STD	00400	03.44	34.77	27.68	00.285	1470.8							
	OBS	00401	03.45	34.770	27.68		1470.8							
	OBS	00426	03.54	34.790	27.69		1471.7							
	OBS	00432	03.78	34.820	27.69		1472.8							
	OBS	00451	03.76	34.820	27.69		1473.0							
	OBS	00458	04.14	34.885	27.70		1474.9							
	STD	00500	04.00	34.85	27.69	00.330	1474.9							
	OBS	00500	04.00	34.853	27.69		1474.9							
	OBS	00550	03.88	34.860	27.71		1475.2							
	STD	00600	03.88	34.88	27.72	00.375	1476.1							
	OBS	00601	03.88	34.880	27.72		1476.1							
	OBS	00651	03.90	34.880	27.72		1477.0							
	STD	00700	03.85	34.88	27.73	00.419	1477.6							
	OBS	00700	03.85	34.880	27.73		1477.6							
	OBS	00750	03.90	34.890	27.73		1478.7							
	STD	00800	03.79	34.89	27.74	00.463	1479.1							
	OBS	00801	03.79	34.890	27.74		1479.1							
	OBS	00850	03.78	34.890	27.74		1479.9							
	STD	00900	03.78	34.89	27.74	00.507	1480.7							
	OBS	00900	03.78	34.890	27.74		1480.7							
	OBS	00951	03.71	34.885	27.75		1481.2							
	STD	01000	03.67	34.88	27.75	00.552	1481.9							
	OBS	01001	03.67	34.880	27.75		1481.9							
	OBS	01024	03.67	34.889	27.75		1482.3							

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REFID 31 8371 YEAR 1974 BOTDP 01055 AIR TEMP 05.4 DIR HGT PER WIND-DIR 17 INST STD RECORDER TEN SQ 1306
CONSEC 0059 MONTH 06 SHIP EV WET BULB 05.4 00 0 X WIND-SPD 10 TRACE DIR D 5 SQUARE 4
LAT 45 30.5N DAY 30 DATA USE 1 BAROMETR 1018.6 SEA WIND-FOR DURATION 00.3 2 SQUARE 48
LONG 048 16.0W HOUR 08.8 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 661 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.76	32.67	26.04	00.000	1467.2							
08.8	OBS	00001	04.76	32.870	26.04		1467.2							
	OBS	00009	04.74	32.870	26.04		1467.3							
	STD	00010	04.71	32.86	26.04	00.020	1467.1							
	OBS	00013	04.44	32.830	26.04		1466.0							
	OBS	00015	04.22	32.810	26.05		1465.1							
	OBS	00017	03.96	32.940	26.18		1464.2							
	STD	00020	02.08	32.89	26.30	00.038	1456.1							
	OBS	00020	01.71	32.880	26.32		1454.4							
	OBS	00022	01.25	33.050	26.49		1452.6							
	STD	00030	00.61	33.07	26.54	00.055	1449.9							
	OBS	00030	00.57	33.070	26.54		1449.7							
	STD	00050	- 1.23	33.30	26.80	00.082	1442.0							
	OBS	00051	- 1.29	33.307	26.81		1441.8							
	OBS	00059	- 1.46	33.345	26.85		1441.2							
	STD	00075	- 1.34	33.46	26.96	00.112	1442.2							
	OBS	00076	- 1.33	33.495	26.96		1442.3							
	STD	00100	- 0.85	33.65	27.08	00.138	1445.1							
	OBS	00100	- 0.83	33.660	27.08		1445.3							
	STD	00125	- 0.16	33.84	27.20	00.161	1449.0							
	OBS	00125	- 0.14	33.840	27.20		1449.1							
	OBS	00137	00.16	33.920	27.25		1450.8							
	STD	00150	00.36	33.99	27.29	00.182	1452.0							
	OBS	00150	00.37	33.990	27.29		1452.1							
	OBS	00175	00.84	34.110	27.36		1454.8							
	STD	00200	01.32	34.22	27.42	00.218	1457.5							
	OBS	00201	01.34	34.230	27.43		1457.6							
	OBS	00228	01.46	34.290	27.47		1458.7							
	STD	00250	01.89	34.41	27.53	00.250	1461.1							
	OBS	00251	01.91	34.420	27.54		1461.2							
	OBS	00277	02.27	34.520	27.59		1463.4							
	STD	00300	02.36	34.54	27.60	00.277	1464.1							
	OBS	00300	02.36	34.540	27.60		1464.2							
	OBS	00350	02.65	34.600	27.62		1466.3							
	STD	00400	03.01	34.67	27.64	00.327	1468.8							
	OBS	00401	03.02	34.670	27.64		1468.9							
	OBS	00451	03.22	34.710	27.65		1470.6							
	STD	00500	03.51	34.77	27.67	00.375	1472.7							
	OBS	00500	03.51	34.770	27.67		1472.7							
	OBS	00550	03.74	34.830	27.70		1474.6							
	STD	00600	03.73	34.83	27.70	00.421	1475.4							
	OBS	00601	03.72	34.830	27.70		1475.4							
	OBS	00652	03.80	34.860	27.72		1476.6							
	STD	00700	03.81	34.87	27.72	00.467	1477.4							
	OBS	00700	03.81	34.870	27.72		1477.5							
	OBS	00751	03.76	34.870	27.73		1478.1							
	STD	00800	03.71	34.87	27.73	00.511	1478.7							
	OBS	00801	03.71	34.870	27.73		1478.7							
	OBS	00850	03.69	34.870	27.74		1479.4							
	STD	00900	03.65	34.87	27.74	00.555	1480.1							
	OBS	00900	03.65	34.870	27.74		1480.1							
	OBS	00951	03.66	34.870	27.74		1481.0							
	STD	01000	03.65	34.85	27.72	00.601	1481.7							
	OBS	01001	03.65	34.850	27.72		1481.8							
	OBS	01022	03.63	34.849	27.73		1482.0							

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REFID 31 8371 YEAR 1974 BOTDP 00188 AIR TEMP 05.3 DIR HGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1306
CONSEC 0060 MONTH 06 SHIP EV WET BULB 05.3 18 1 2 WIND-SPD 14 TRACE DIR D 5 SQUARE 4
LAT 45 33.5N DAY 30 DATA USE 1 BAROMETR 1017.9 SEA WIND-FOR DURATION 00.1 2 SQUARE 48
LONG 048 26.5W HOUR 11.5 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 662 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.47	32.59	25.85	00.000	1465.6							
11.5	OBS	00000	04.47	32.590	25.85		1465.6							
	OBS	00009	04.26	32.550	25.84		1464.8							
	STD	00010	04.23	32.56	25.85	00.022	1464.7							
	OBS	00011	04.15	32.580	25.87		1464.4							
	OBS	00017	03.58	32.650	25.98		1462.2							
	STD	00020	03.12	32.73	26.09	00.042	1460.4							
	OBS	00020	02.80	32.745	26.13		1459.0							
	OBS	00022	01.83	32.760	26.21		1454.8							
	OBS	00026	00.45	32.800	26.33		1448.7							
	OBS	00028	- 0.29	33.010	26.54		1445.7							
	STD	00030	- 0.62	33.01	26.55	00.059	1444.2							
	OBS	00030	- 0.72	33.005	26.55		1443.7							
	OBS	00034	- 1.29	33.025	26.58		1441.1							
	STD	00050	- 1.68	33.23	26.76	00.087	1439.8							
	OBS	00051	- 1.70	33.240	26.77		1439.8							
	OBS	00060	- 1.73	33.267	26.79		1439.8							
	STD	00075	- 1.69	33.31	26.83	00.119	1440.3							
	OBS	00076	- 1.68	33.320	26.83		1440.4							
	STD	00100	- 1.14	33.54	26.99	00.147	1443.6							
	OBS	00100	- 1.13	33.540	27.00		1443.7							
	STD	00125	- 1.09	33.53	26.99	00.174	1444.3							
	OBS	00125	- 1.09	33.530	26.99		1444.3							
	STD	00150	- 1.06	33.54	26.99	00.201	1444.8							
	OBS	00150	- 1.06	33.540	26.99		1444.8							
	OBS	00175	- 1.03	33.563	27.01		1445.4							
	OBS	00190	- 0.95	33.603	27.04		1446.1							

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REFID 31 8371 YEAR 1974 BOTDP 00091 AIR TEMP 07.2 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1306
CONSEC 0061 MONTH 06 SHIP EV WET BULB 06.8 05 5 6 WIND-SPD 17 TRACE DIR D 5 SQUARE 4
LAT 45 38.8N DAY 30 DATA USE 1 BAROMETR 1018.1 SEA WIND-FOR DURATION 00.1 2 SQUARE 48
LONG 048 39.0W HOUR 12.6 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 6630025 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.92	32.69	25.88	00.000	1467.6							
12.6	OBS	00001	04.92	32.690	25.88		1467.6							
	STD	00010	04.90	32.67	25.86	00.021	1467.6							
	OBS	00011	04.83	32.660	25.86		1467.4							
	OBS	00013	04.71	32.650	25.87		1466.9							
	OBS	00017	03.81	32.550	25.88		1463.0							
	OBS	00019	03.06	32.685	26.06		1460.0							
	STD	00020	03.02	32.70	26.08	00.042	1459.9							
	OBS	00022	02.92	32.745	26.12		1459.6							
	OBS	00026	02.14	32.770	26.20		1456.3							
	OBS	00028	01.90	32.760	26.21		1455.2							
	STD	00030	01.47	32.81	26.28	00.060	1453.4							
	OBS	00030	01.35	32.825	26.30		1452.9							
	OBS	00032	01.02	32.890	26.37		1451.5							
	OBS	00034	00.89	32.890	26.38		1451.0							
	OBS	00038	- 0.70	32.930	26.49		1443.8							
	STD	00050	- 1.46	33.21	26.74	00.091	1440.8							
	OBS	00051	- 1.49	33.215	26.74		1440.7							
	OBS	00053	- 1.51	33.215	26.74		1440.7							
	STD	00075	- 1.45	33.28	26.79	00.123	1441.4							
	OBS	00076	- 1.45	33.280	26.79		1441.4							
	OBS	00091	- 1.48	33.330	26.84		1441.6							

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REFID 31 8371 YEAR 1974 BOTDP 00071 AIR TEMP 06.3 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1306
CONSEC 0062 MONTH 06 SHIP EV WET BULB 06.3 20 2 2 WIND-SPD 13 TRACE DIR D 5 SQUARE 4
LAT 45 42.5N DAY 30 DATA USE 1 BAROMETR 1017.7 SEA WIND-FOR DURATION 00.1 2 SQUARE 48
LONG 048 48.5W HOUR 13.7 AREA 05 CLOUD T/A CL/TR WEATHER X7 ORIG 011 664 18 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	06.42	32.64	25.66	00.000	1473.6							
13.7	OBS	00003	06.42	32.640	25.66		1473.7							
	STD	00010	06.41	32.64	25.66	00.023	1473.8							
	OBS	00011	06.41	32.630	25.65		1473.8							
	OBS	00013	06.36	32.615	25.65		1473.6							
	OBS	00017	05.80	32.640	25.74		1471.4							
	STD	00020	05.75	32.69	25.78	00.046	1471.3							
	OBS	00020	05.74	32.700	25.79		1471.3							
	OBS	00022	05.73	32.700	25.79		1471.3							
	OBS	00028	04.89	32.580	25.79		1467.8							
	STD	00030	04.37	32.60	25.87	00.068	1465.7							
	OBS	00030	04.18	32.615	25.90		1464.9							
	OBS	00032	03.42	32.670	26.01		1461.8							
	OBS	00038	02.99	32.820	26.17		1460.2							
	OBS	00040	02.08	32.730	26.17		1456.2							
	OBS	00047	01.23	32.860	26.33		1452.7							
	STD	00050	- 0.01	32.87	26.41	00.106	1447.1							
	OBS	00051	- 0.50	32.875	26.44		1444.9							
	OBS	00055	- 0.98	33.100	26.64		1443.0							
	OBS	00060	- 1.17	33.120	26.66		1442.3							
	OBS	00070	- 1.17	33.160	26.69		1442.5							

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REFID 31 8371 YEAR 1974 BOTDP 00068 AIR TEMP 07.1 DIR HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1306
CONSEC 0063 MONTH 06 SHIP EV WET BULB 06.7 24 4 6 WIND-SPD 18 TRACE DIR D 5 SQUARE 4
LAT 45 45.5N DAY 30 DATA USE 1 BAROMETR 1016.0 SEA WIND-FOR DURATION 00.1 2 SQUARE 48
LONG 048 58.0W HOUR 14.6 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 665 1 SQUARE 58

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	06.22	32.51	25.59	00.000	1472.7							
14.6	OBS	00001	06.22	32.515	25.59		1472.7							
	OBS	00009	06.20	32.520	25.59		1472.8							
	STD	00010	06.13	32.51	25.59	00.024	1472.5							
	OBS	00015	05.52	32.450	25.62		1470.0							
	OBS	00019	05.15	32.515	25.71		1468.6							
	STD	00020	04.93	32.48	25.71	00.048	1467.7							
	OBS	00024	03.86	32.470	25.81		1463.3							
	OBS	00026	03.40	32.545	25.92		1461.4							
	STD	00030	03.18	32.65	26.02	00.069	1460.7							
	OBS	00030	03.15	32.657	26.03		1460.6							
	OBS	00038	02.52	32.630	26.06		1457.9							
	OBS	00041	00.86	32.715	26.24		1450.7							
	OBS	00043	00.52	32.785	26.31		1449.3							
	OBS	00049	00.27	32.795	26.34		1448.3							
	STD	00050	00.18	32.81	26.35	00.106	1447.9							
	OBS	00051	- 0.06	32.835	26.39		1446.9							
	OBS	00062	- 0.72	33.040	26.58		1444.3							
	OBS	00066	- 0.72	33.210	26.71		1444.6							

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REFID 31 8371 YEAR 1974 BOTDP 00073 AIR TEMP 07.5 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1306
CONSEC 0064 MONTH 06 SHIP EV WET BULB 07.3 22 2 WIND-SPD 16 TRACE DIR D 5 SQUARE 4
LAT 45 24.0N DAY 30 DATA USE 1 BAROMETR 1015.2 SEA WIND-FOR DURATION 00.1 2 SQUARE 48
LONG 049 07.4W HOUR 17.0 AREA 05 CLOUD T/A CL/TR WEATHER X9 ORIG 011 666 1 SQUARE 59

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	06.70	32.59	25.58	00.000	1474.7							
17.0	OBS	00001	06.70	32.590	25.58		1474.7							
	STD	00010	06.66	32.58	25.59	00.024	1474.7							
	OBS	00011	06.58	32.580	25.59		1474.4							
	OBS	00017	06.03	32.550	25.64		1472.2							
	STD	00020	04.39	32.49	25.77	00.047	1465.4							
	OBS	00020	03.99	32.467	25.80		1463.7							
	OBS	00022	03.33	32.690	26.04		1461.3							
	OBS	00028	02.77	32.680	26.08		1458.9							
	STD	00030	02.37	32.73	26.15	00.068	1457.3							
	OBS	00030	02.25	32.750	26.18		1456.8							
	OBS	00034	01.80	32.795	26.24		1454.9							
	OBS	00038	01.57	32.847	26.30		1454.0							
	OBS	00040	01.36	32.820	26.29		1453.1							
	OBS	00043	00.25	32.806	26.34		1448.1							
	OBS	00045	- 0.16	32.840	26.39		1446.3							
	OBS	00047	- 0.95	32.943	26.51		1442.8							
	STD	00050	- 1.07	33.03	26.58	00.101	1442.4							
	OBS	00051	- 1.13	33.070	26.62		1442.2							
	OBS	00070	- 1.19	33.100	26.64		1442.3							
	OBS	00072	- 1.18	33.120	26.66		1442.4							

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REFID 31 8371 YEAR 1974 BOTDP 00068 AIR TEMP 08.5 DIR HGT PER WIND-DIR 01 INST STD RECORDER TEN SQ 1306
CONSEC 0065 MONTH 06 SHIP EV WET BULB 08.3 23 2 WIND-SPD 13 TRACE DIR D 5 SQUARE 4
LAT 45 06.0N DAY 30 DATA USE 1 BAROMETR 1016.2 SEA WIND-FOR CURATION 2 SQUARE 48
LONG 049 14.5W HOUR 19.3 AREA 05 CLOUD T/A CL/TR WEATHER X9 ORIG 011 667 1 SQUARE 59

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	05.81	32.77	25.84	00.000	1471.4							
19.3	OBS	00000	05.81	32.767	25.84		1471.4							
	OBS	00007	05.76	32.770	25.84		1471.3							
	STD	00010	05.32	32.73	25.86	00.022	1469.5							
	OBS	00011	05.11	32.706	25.86		1468.6							
	OBS	00013	04.87	32.660	25.86		1467.6							
	OBS	00017	03.73	32.667	25.98		1462.9							
	STD	00020	02.66	32.52	25.96	00.043	1458.1							
	OBS	00020	02.18	32.480	25.97		1455.9							
	OBS	00022	00.95	32.656	26.18		1450.7							
	STD	00030	- 0.27	32.83	26.39	00.061	1445.5							
	OBS	00030	- 0.36	32.850	26.41		1445.1							
	OBS	00034	- 1.05	33.057	26.60		1442.3							
	OBS	00036	- 1.18	33.123	26.66		1441.8							
	STD	00050	- 1.24	33.16	26.69	00.091	1441.8							
	OBS	00051	- 1.24	33.160	26.69		1441.8							
	OBS	00057	- 1.25	33.160	26.69		1441.9							
	OBS	00066	- 1.24	33.160	26.71		1442.1							

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REFID 31 8371 YEAR 1974 BOTDP 00062 AIR TEMP 08.4 DIR HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1306
CONSEC 0066 MONTH 06 SHIP EV WET BULB 08.0 19 1 2 WIND-SPD 10 TRACE DIR D 5 SQUARE 2
LAT 44 40.0N DAY 30 DATA USE 1 BAROMETR 1016.2 SEA WIND-FOR DURATION 00.1 2 SQUARE 48
LONG 049 21.5W HOUR 22.2 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 668 1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	06.95	32.62	25.58	00.000	1475.7							
22.2	OBS	00001	06.95	32.620	25.58		1475.8							
	OBS	00007	06.90	32.614	25.58		1475.6							
	STD	00010	06.32	32.59	25.63	00.024	1473.3							
	OBS	00011	05.92	32.578	25.67		1471.7							
	OBS	00013	05.31	32.663	25.81		1469.4							
	OBS	00015	05.02	32.646	25.83		1468.2							
	OBS	00019	03.28	32.455	25.85		1460.7							
	STD	00020	02.82	32.53	25.96	00.046	1458.8							
	OBS	00020	02.46	32.585	26.03		1457.3							
	OBS	00022	01.86	32.647	26.12		1454.8							
	OBS	00024	01.08	32.605	26.14		1451.3							
	OBS	00026	00.29	32.830	26.36		1448.0							
	STD	00030	- 0.09	33.00	26.52	00.064	1446.6							
	OBS	00030	- 0.14	33.017	26.54		1446.4							
	STD	00050	- 0.35	33.07	26.59	00.094	1445.8							
	OBS	00051	- 0.36	33.076	26.59		1445.8							

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REFID 31 8371 YEAR 1974 BOTDP 00241 AIR TEMP 08.2 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1306
CONSEC 0067 MONTH 06 SHIP EV WET BULB 07.8 22 1 2 WIND-SPD 10 TRACE DIR D 5 SQUARE 2
LAT 44 39.0N DAY 30 DATA USE 1 BAROMETR 1016.2 SEA WIND-FOR DURATION 00.1 2 SQUARE 48
LONG 049 08.5W HOUR 23.5 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 669 1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.76	32.72	25.92	00.000	1467.0							
23.5	OBS	00001	04.76	32.720	25.92		1467.0							
	STD	00010	04.73	32.72	25.92	00.021	1467.0							
	OBS	00011	04.65	32.708	25.92		1466.7							
	OBS	00019	03.83	32.626	25.94		1463.3							
	STD	00020	03.42	32.66	26.01	00.041	1461.6							
	OBS	00022	02.69	32.740	26.13		1458.6							
	OBS	00024	02.54	32.770	26.17		1458.0							
	OBS	00026	01.87	32.724	26.18		1455.0							
	STD	00030	01.27	32.87	26.34	00.060	1452.6							
	OBS	00030	01.20	32.875	26.35		1452.3							
	OBS	00034	00.77	32.853	26.36		1450.4							
	OBS	00036	00.13	32.820	26.36		1447.5							
	OBS	00038	- 0.22	32.935	26.47		1446.0							
	OBS	00040	- 0.42	32.970	26.51		1445.2							
	OBS	00041	- 0.97	33.120	26.65		1442.9							
	STD	00050	- 1.13	33.16	26.69	00.091	1442.3							
	OBS	00051	- 1.15	33.167	26.69		1442.3							
	STD	00075	- 1.43	33.24	26.77	00.124	1441.4							
	OBS	00076	- 1.44	33.247	26.77		1441.4							
	STD	00100	- 1.45	33.25	26.77	00.156	1441.8							
	OBS	00100	- 1.45	33.255	26.77		1441.8							
	STD	00125	- 1.48	33.28	26.79	00.187	1442.1							
	OBS	00125	- 1.48	33.277	26.79		1442.1							
	OBS	00131	- 1.51	33.290	26.80		1442.1							
	STD	00150	- 1.30	33.44	26.92	00.217	1443.6							
	OBS	00150	- 1.29	33.447	26.93		1443.6							
	OBS	00175	- 0.77	33.680	27.10		1446.8							
	STD	00200	- 0.34	33.76	27.14	00.269	1449.3							
	OBS	00201	- 0.32	33.760	27.14		1449.4							
	OBS	00226	- 0.15	33.811	27.18		1450.7							
	OBS	00232	- 0.14	33.815	27.18		1450.8							

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REFID 31 8371 YEAR 1974 BOTDP 01400 AIR TEMP 07.9 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1306
CONSEC 0068 MONTH 07 SHIP EV WET BULB 07.1 22 2 2 WIND-SPD 10 TRACE DIR D 5 SQUARE 2
LAT 44 36.2N DAY 01 DATA USE 1 BAROMETR 1016.3 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 57.0W HOUR 00.8 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 670 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	04.68	32.66	25.86	00.000	1466.6							
00.8	OBS	00003	04.68	32.660	25.88		1466.6							
	OBS	00009	03.06	32.690	26.06		1459.9							
	STD	00010	02.91	32.69	26.08	00.020	1459.2							
	OBS	00011	02.50	32.695	26.11		1457.5							
	OBS	00019	00.93	32.980	26.45		1451.0							
	STD	00020	00.85	32.97	26.44	00.038	1450.7							
	OBS	00020	00.77	32.960	26.44		1450.3							
	STD	00030	- 0.88	33.08	26.61	00.053	1443.1							
	OBS	00032	- 1.17	33.115	26.65		1441.8							
	OBS	00038	- 1.63	33.205	26.74		1439.8							
	OBS	00043	- 1.71	33.260	26.79		1439.6							
	STD	00050	- 1.59	33.31	26.82	00.080	1440.4							
	OBS	00051	- 1.57	33.320	26.83		1440.5							
	STD	00075	- 1.51	33.32	26.83	00.110	1441.1							
	OBS	00076	- 1.51	33.320	26.83		1441.2							
	STD	00100	- 1.43	33.38	26.88	00.141	1442.1							
	OBS	00100	- 1.42	33.385	26.88		1442.1							
	STD	00125	- 1.21	33.49	26.96	00.169	1443.7							
	OBS	00125	- 1.20	33.490	26.96		1443.7							
	STD	00150	- 0.99	33.57	27.02	00.196	1445.2							
	OBS	00150	- 0.98	33.577	27.02		1445.3							
	OBS	00175	- 0.48	33.755	27.15		1448.2							
	STD	00200	00.07	33.89	27.23	00.243	1451.4							
	OBS	00203	00.16	33.915	27.24		1451.9							
	OBS	00226	00.71	34.050	27.32		1454.9							
	OBS	00232	01.04	34.155	27.39		1456.7							
	STD	00250	01.25	34.20	27.41	00.281	1458.0							
	OBS	00251	01.27	34.210	27.41		1458.1							
	OBS	00276	01.79	34.405	27.53		1461.1							
	STD	00300	02.17	34.47	27.56	00.312	1463.2							
	OBS	00302	02.20	34.480	27.56		1463.4							
	OBS	00350	02.44	34.545	27.59		1465.3							
	STD	00400	02.76	34.61	27.62	00.365	1467.6							
	OBS	00401	02.77	34.610	27.62		1467.7							
	OBS	00451	03.01	34.665	27.64		1469.6							
	STD	00500	03.40	34.76	27.67	00.414	1472.2							
	OBS	00500	03.40	34.757	27.68		1472.2							
	OBS	00552	03.50	34.763	27.67		1473.5							
	STD	00600	03.60	34.79	27.68	00.461	1474.8							
	OBS	00601	03.60	34.787	27.68		1474.8							
	OBS	00651	03.83	34.850	27.71		1476.7							
	STD	00700	03.88	34.86	27.71	00.508	1477.7							
	OBS	00700	03.88	34.860	27.71		1477.7							
	OBS	00750	03.87	34.860	27.71		1478.5							
	STD	00800	03.85	34.87	27.72	00.554	1479.3							
	OBS	00801	03.85	34.870	27.72		1479.3							
	OBS	00850	03.79	34.870	27.73		1479.9							
	STD	00900	03.76	34.88	27.74	00.599	1480.6							
	OBS	00900	03.76	34.880	27.74		1480.6							
	OBS	00951	03.71	34.875	27.74		1481.2							
	STD	01000	03.69	34.88	27.74	00.645	1481.9							
	OBS	01001	03.69	34.875	27.74		1482.0							
	OBS	01020	03.69	34.875	27.74		1482.3							

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REFID 31 8371 YEAR 1974 BOTDP 01900 AIR TEMP 07.4 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1306
CONSEC 0069 MONTH 07 SHIP EV WET BULB 07.1 20 2 2 WIND-SPD 12 TRACE DIR D 5 SQUARE 2
LAT 44 34.3N DAY 01 DATA USE 1 BAROMETR 1016.2 SEA WIND-FOR DURATION 00.4 2 SQUARE 48
LONG 048 48.5W HOUR 02.3 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 671 1 SQUARE 4P

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	05.17	32.77	25.91	00.000	1468.7							
02.3	OBS	00003	05.17	32.770	25.91		1468.8							
	OBS	00007	05.16	32.760	25.91		1468.8							
	OBS	00009	04.69	32.730	25.93		1466.9							
	STD	00010	04.64	32.74	25.95	00.021	1466.7							
	OBS	00011	04.51	32.770	25.99		1466.2							
	OBS	00015	04.26	32.780	26.02		1465.2							
	OBS	00019	03.31	32.830	26.15		1461.3							
	STD	00020	03.27	32.85	26.17	00.040	1461.2							
	OBS	00020	03.22	32.870	26.19		1461.0							
	OBS	00024	02.86	32.900	26.25		1459.6							
	OBS	00026	02.81	32.920	26.27		1459.4							
	STD	00030	02.52	32.94	26.30	00.058	1458.2							
	OBS	00030	02.45	32.940	26.31		1457.9							
	OBS	00034	01.63	32.890	26.33		1454.3							
	OBS	00036	00.95	33.120	26.56		1451.6							
	OBS	00038	00.86	33.120	26.57		1451.2							
	OBS	00043	- 0.53	33.100	26.62		1444.9							
	OBS	00045	- 1.07	33.205	26.72		1442.6							
	STD	00050	- 1.36	33.27	26.79	00.088	1441.4							
	OBS	00051	- 1.42	33.290	26.80		1441.2							
	OBS	00055	- 1.47	33.320	26.83		1441.0							
	OBS	00062	- 1.41	33.410	26.90		1441.6							
	STD	00075	- 1.36	33.50	26.97	00.118	1442.1							
	STD	00100	- 0.92	33.63	27.06	00.144	1444.8							
	OBS	00104	- 0.78	33.645	27.07		1445.5							
	OBS	00106	- 0.72	33.650	27.07		1445.9							
	OBS	00108	- 0.69	33.655	27.07		1446.0							
	OBS	00110	- 0.59	33.710	27.11		1446.6							
	OBS	00119	- 0.38	33.750	27.14		1447.8							
	STD	00125	- 0.28	33.77	27.15	00.168	1448.3							
	OBS	00129	- 0.23	33.810	27.18		1448.7							
	OBS	00140	- 0.21	33.960	27.30		1449.2							
	STD	00150	00.44	34.00	27.29	00.189	1452.4							
	OBS	00150	00.46	34.000	27.30		1452.5							
	OBS	00159	00.78	34.110	27.37		1454.2							
	OBS	00169	01.02	34.160	27.39		1455.5							
	OBS	00180	01.29	34.240	27.44		1457.1							
	OBS	00190	01.38	34.250	27.44		1457.6							
	OBS	00199	01.72	34.330	27.48		1459.4							
	STD	00200	01.72	34.33	27.48	00.224	1459.4							
	OBS	00207	01.79	34.340	27.48		1459.9							
	OBS	00213	01.90	34.390	27.51		1460.5							
	OBS	00226	02.32	34.440	27.52		1462.6							
	STD	00250	02.39	34.45	27.52	00.255	1463.3							
	OBS	00251	02.39	34.455	27.52		1463.4							
	OBS	00277	02.27	34.490	27.56		1463.3							
	STD	00300	02.32	34.53	27.59	00.282	1463.9							
	OBS	00321	02.46	34.575	27.61		1465.0							
	OBS	00352	02.83	34.660	27.65		1467.2							
	STD	00400	03.32	34.75	27.68	00.331	1470.2							
	OBS	00401	03.33	34.750	27.68		1470.3							
	OBS	00451	03.45	34.770	27.68		1471.7							
	STD	00500	03.62	34.80	27.69	00.377	1473.2							
	OBS	00500	03.62	34.806	27.69		1473.2							
	OBS	00550	03.71	34.825	27.70		1474.5							
	STD	00600	03.83	34.85	27.71	00.423	1475.8							
	OBS	00601	03.83	34.850	27.71		1475.9							
	OBS	00651	03.88	34.860	27.71		1476.9							
	STD	00700	03.92	34.87	27.71	00.469	1477.9							
	OBS	00700	03.92	34.870	27.71		1477.9							
	OBS	00750	03.90	34.880	27.72		1478.7							
	STD	00800	03.87	34.89	27.73	00.514	1479.4							
	OBS	00801	03.87	34.890	27.73		1479.4							
	OBS	00850	03.86	34.890	27.73		1480.2							
	STD	00900	03.88	34.90	27.74	00.559	1481.1							
	OBS	00900	03.88	34.900	27.74		1481.1							
	OBS	00951	03.82	34.900	27.75		1481.7							
	STD	01000	03.81	34.90	27.75	00.604	1482.5							
	OBS	01001	03.81	34.900	27.75		1482.5							
	OBS	01022	03.81	34.890	27.74		1482.8							

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REFID 31 8371 YEAR 1974 BOTDP 03021 AIR TEMP 08.8 DIR HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1306
CONSEC 0070 MONTH 07 SHIP EV WET BULB 08.5 00 0 X WIND-SPD 10 TRACE DIR D 5 SQUARE 2
LAT 44 30.2N DAY 01 DATA USE 1 BAROMETR 1001.6 SEA WIND-FOR DURATION 00.5 2 SQUARE 48
LONG 048 25.3W HOUR 05.3 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 672 1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	08.53	32.91	25.52	00.000	1483.7							
05.3	OBS	00000	08.93	32.910	25.52		1483.7							
	OBS	00007	08.93	32.910	25.52		1483.9							
	STD	00010	08.64	32.87	25.53	00.025	1482.8							
	OBS	00011	08.49	32.855	25.54		1482.2							
	OBS	00017	07.99	32.855	25.61		1480.4							
	STD	00020	06.39	32.75	25.75	00.048	1474.0							
	OBS	00020	05.77	32.700	25.79		1471.4							
	OBS	00022	04.28	32.580	25.86		1465.2							
	OBS	00024	03.23	32.885	26.20		1461.1							
	STD	00030	02.38	33.04	26.39	00.068	1457.7							
	OBS	00030	02.31	33.050	26.41		1457.5							
	STD	00050	00.57	33.32	26.74	00.097	1450.4							
	OBS	00051	00.39	33.340	26.77		1449.6							
	OBS	00059	- 0.75	33.470	26.93		1444.7							
	OBS	00068	00.75	33.650	27.00		1452.0							
	OBS	00072	00.69	33.690	27.03		1451.8							
	STD	00075	00.94	33.69	27.02	00.127	1453.0							
	OBS	00078	00.98	33.720	27.04		1453.3							
	OBS	00079	00.88	33.750	27.07		1452.9							
	OBS	00091	00.95	33.790	27.10		1453.4							
	OBS	00093	00.88	33.980	27.26		1453.4							
	OBS	00095	01.18	34.000	27.25		1454.8							
	STD	00100	01.53	34.04	27.26	00.150	1456.5							
	OBS	00104	01.77	34.065	27.26		1457.7							
	OBS	00110	01.93	34.090	27.27		1458.5							
	OBS	00118	02.72	34.200	27.29		1462.3							
	STD	00125	02.76	34.20	27.29	00.171	1462.6							
	OBS	00129	02.79	34.200	27.29		1462.7							
	OBS	00133	02.54	34.190	27.30		1461.7							
	OBS	00137	02.51	34.200	27.31		1461.7							
	OBS	00139	02.83	34.260	27.33		1463.2							
	STD	00150	02.78	34.28	27.35	00.190	1463.1							
	OBS	00152	02.77	34.285	27.36		1463.1							
	OBS	00169	02.69	34.355	27.42		1463.2							
	OBS	00175	03.22	34.430	27.43		1465.7							
	OBS	00192	03.26	34.487	27.47		1466.2							
	STD	00200	03.10	34.51	27.51	00.223	1465.7							
	OBS	00201	03.06	34.520	27.52		1465.5							
	OBS	00205	03.27	34.540	27.51		1466.5							
	OBS	00209	03.04	34.530	27.53		1465.6							
	OBS	00218	03.72	34.630	27.54		1468.8							
	OBS	00222	03.54	34.620	27.55		1468.1							
	OBS	00228	03.80	34.640	27.54		1469.3							
	STD	00250	04.26	34.74	27.57	00.252	1471.7							
	OBS	00251	04.28	34.740	27.57		1471.8							
	OBS	00253	04.30	34.740	27.57		1471.9							
	OBS	00264	03.64	34.662	27.58		1469.2							
	OBS	00276	03.72	34.710	27.61		1469.8							
	STD	00300	04.28	34.80	27.62	00.279	1472.7							
	OBS	00300	04.29	34.800	27.62		1472.8							
	OBS	00327	04.33	34.830	27.64		1473.4							
	OBS	00333	04.73	34.900	27.65		1475.3							
	OBS	00350	04.71	34.900	27.65		1475.5							
	STD	00400	04.64	34.91	27.67	00.328	1476.0							
	OBS	00401	04.64	34.910	27.67		1476.0							
	OBS	00451	04.55	34.920	27.68		1476.5							
	STD	00500	04.46	34.92	27.69	00.376	1476.9							
	OBS	00500	04.46	34.920	27.69		1476.9							
	OBS	00550	04.34	34.920	27.71		1477.2							
	STD	00600	04.26	34.93	27.72	00.421	1477.8							
	OBS	00601	04.26	34.927	27.72		1477.8							
	OBS	00651	04.10	34.910	27.73		1477.9							
	STD	00700	04.01	34.91	27.74	00.465	1478.3							
	OBS	00700	04.01	34.910	27.74		1478.3							
	OBS	00751	04.03	34.920	27.74		1479.3							
	STD	00800	04.00	34.92	27.74	00.509	1480.0							
	OBS	00801	04.00	34.920	27.74		1480.0							
	OBS	00850	03.90	34.910	27.75		1480.4							
	STD	00900	03.90	34.92	27.75	00.553	1481.2							
	OBS	00900	03.90	34.920	27.75		1481.2							
	OBS	00953	03.81	34.903	27.75		1481.7							
	STD	01000	03.76	34.91	27.76	00.597	1482.3							
	OBS	01001	03.76	34.910	27.76		1482.3							
	OBS	01022	03.78	34.916	27.76		1482.7							

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REFID 31 8371	YEAR 1974	BOTDP 03435	AIR TEMP 08.9	DIR HGT PER	WIND-DIR 19	INST STD RECORDER	TEN SQ 1306
CONSEC 0071	MONTH 07	SHIP EV	WET BULB 08.8	00 0 X	WIND-SPD 10	TRACE DIR D	5 SQUARE 2
LAT 44 27.0N	DAY 01	DATA USE 1	BAROMETR 1015.5	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 48
LONG 048 07.0W	HOUR 08.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	CRIG 011 673	1 SQUARE 48

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	09.02	32.87	25.47	00.000	1484.0							
08.6	OBS	00001	09.02	32.870	25.47		1484.1							
	STD	00010	09.02	32.87	25.47	00.025	1484.2							
	OBS	00011	09.02	32.870	25.47		1484.2							
	OBS	00013	09.01	32.860	25.46		1484.2							
	OBS	00017	07.77	32.777	25.58		1479.4							
	STD	00020	07.19	32.86	25.73	00.049	1477.3							
	OBS	00020	07.01	32.875	25.77		1476.6							
	OBS	00024	06.28	32.873	25.86		1473.8							
	STD	00030	03.94	32.99	26.22	00.070	1464.4							
	OBS	00032	02.88	33.050	26.36		1460.0							
	OBS	00034	04.56	33.280	26.38		1467.5							
	OBS	00038	03.30	33.140	26.40		1462.0							
	OBS	00040	03.04	33.090	26.38		1460.8							
	OBS	00045	02.16	33.080	26.45		1457.1							
	OBS	00047	00.30	33.100	26.58		1448.8							
	OBS	00049	00.02	33.208	26.68		1447.7							
	STD	00050	- 0.00	33.23	26.70	00.101	1447.6							
	OBS	00051	- 0.07	33.290	26.75		1447.4							
	OBS	00060	- 0.52	33.372	26.84		1445.6							
	OBS	00064	- 0.89	33.397	26.87		1444.0							
	OBS	00066	- 0.88	33.480	26.94		1444.2							
	OBS	00068	- 0.66	33.517	26.96		1445.3							
	OBS	00072	- 0.16	33.560	26.97		1447.7							
	OBS	00074	- 0.16	33.570	26.98		1447.8							
	STD	00075	- 0.11	33.57	26.98	00.132	1448.0							
	OBS	00078	00.07	33.605	27.00		1449.0							
	OBS	00083	00.43	33.725	27.08		1450.9							
	OBS	00087	01.08	33.788	27.09		1454.0							
	OBS	00091	01.57	33.862	27.11		1456.3							
	OBS	00093	01.72	33.910	27.14		1457.1							
	OBS	00095	02.47	34.020	27.17		1460.5							
	OBS	00097	02.54	34.033	27.18		1460.9							
	STD	00100	03.05	34.10	27.18	00.156	1463.2							
	OBS	00104	03.58	34.170	27.19		1465.7							
	OBS	00112	03.70	34.205	27.21		1466.4							
	STD	00125	04.11	34.33	27.26	00.178	1468.5							
	OBS	00125	04.11	34.330	27.26		1468.5							
	OBS	00135	03.99	34.350	27.29		1468.2							
	OBS	00139	04.46	34.405	27.29		1470.3							
	OBS	00142	04.39	34.380	27.27		1470.0							
	STD	00150	04.79	34.47	27.30	00.198	1471.9							
	OBS	00152	04.87	34.490	27.31		1472.3							
	OBS	00158	04.98	34.530	27.33		1472.9							
	OBS	00163	04.31	34.430	27.32		1470.1							
	OBS	00165	04.42	34.500	27.37		1470.7							
	OBS	00175	05.21	34.620	27.37		1474.2							
	OBS	00196	05.17	34.660	27.41		1474.5							
	STD	00200	04.50	34.58	27.42	00.235	1471.7							
	OBS	00201	04.37	34 550	27.41		1471.1							
	OBS	00203	04.35	34.600	27.45		1471.1							
	OBS	00211	04.62	34.620	27.44		1472.4							
	OBS	00220	04.58	34.665	27.48		1472.5							
	OBS	00226	04.90	34.690	27.46		1473.9							
	OBS	00228	04.62	34.670	27.48		1472.8							
	OBS	00230	04.62	34.675	27.48		1472.8							
	OBS	00236	04.30	34.620	27.47		1471.5							
	OBS	00237	04.25	34.640	27.50		1471.3							
	OBS	00243	03.44	34.540	27.50		1467.9							
	STD	00250	03.06	34.52	27.52	00.267	1466.3							
	OBS	00251	03.00	34.515	27.52		1466.1							
	OBS	00276	03.44	34.630	27.57		1468.5							
	OBS	00277	03.44	34.660	27.59		1468.6							
	OBS	00279	03.62	34.680	27.59		1469.4							
	OBS	00291	04.09	34.750	27.60		1471.7							
	STD	00300	04.09	34.75	27.60	00.296	1471.8							
	OBS	00300	04.09	34.750	27.60		1471.8							
	OBS	00308	04.10	34.770	27.61		1472.0							
	OBS	00312	04.40	34.820	27.62		1473.4							
	OBS	00350	04.46	34.850	27.64		1474.3							
	OBS	00356	04.64	34.890	27.65		1475.2							
	STD	00400	04.78	34.94	27.67	00.346	1476.6							
	OBS	00403	04.88	34.965	27.68		1477.1							
	OBS	00405	04.94	34.980	27.69		1477.4							
	OBS	00411	05.28	35.040	27.69		1479.0							
	OBS	00451	05.08	35.000	27.69		1478.8							
	STD	00500	04.73	34.97	27.70	00.392	1478.1							
	OBS	00500	04.73	34.970	27.70		1478.1							
	OBS	00550	04.49	34.960	27.72		1477.9							
	STD	00600	04.46	34.96	27.73	00.437	1478.6							
	OBS	00601	04.46	34.960	27.73		1478.6							
	OBS	00652	04.41	34.975	27.74		1479.3							
	STD	00700	04.49	34.99	27.75	00.481	1480.4							
	OBS	00700	04.49	34.990	27.75		1480.5							
	OBS	00750	04.33	34.980	27.76		1480.6							
	STD	00800	04.18	34.95	27.75	00.525	1480.8							
	OBS	00803	04.17	34.950	27.75		1480.8							
	OBS	00850	04.08	34.950	27.76		1481.2							
	STD	00900	04.15	34.97	27.77	00.568	1482.3							
	OBS	00900	04.15	34.970	27.77		1482.3							
	OBS	00951	04.06	34.950	27.76		1482.8							
	STD	01000	03.88	34.94	27.77	00.611	1482.8							
	OBS	01001	03.88	34.940	27.77		1482.8							
	OBS	01020	03.99	34.960	27.78		1483.7							

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REFID 31 8371	YEAR 1974	BOTDP 03615	AIR TEMP 12.2	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1306
CONSEC 0072	MONTH 07	SHIP EV	WET BULB 11.8	22 2 2	WIND-SPD 16	TRACE DIR D	5 SQUARE 2
LAT 44 20.8N	DAY 01	DATA USE I	BAROMETR 1014.5	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 43.7W	HOUR 12.0	AREA C5	CLOUD T/A	CL/TP	WEATHER X2	ORIG 011 674 14	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	10.61	32.87	25.17	0C.000	1490.6							
12.0	OBS	00000	10.81	32.870	25.17		1490.6							
	OBS	00009	10.80	32.864	25.17		1490.7							
	STD	00010	10.33	32.76	25.17	00.028	1488.9							
	OBS	00015	06.18	32.470	25.56		1472.7							
	OBS	00017	05.01	32.710	25.68		1468.3							
	STD	00020	03.74	32.78	26.07	00.052	1463.1							
	OBS	00020	03.46	32.830	26.14		1462.0							
	OBS	00022	03.04	32.990	26.30		1460.4							
	OBS	00028	01.97	32.920	26.33		1455.8							
	STD	00030	01.47	33.06	26.48	00.069	1453.7							
	OBS	00030	01.36	33.090	26.51		1453.3							
	OBS	00032	01.31	33.100	26.52		1453.1							
	OBS	00036	01.67	33.240	26.61		1455.0							
	OBS	00041	00.62	33.245	26.68		1450.4							
	OBS	00045	00.03	33.320	26.77		1447.8							
	STD	00050	00.17	33.53	26.93	00.096	1448.9							
	OBS	00051	00.48	33.600	26.97		1450.4							
	OBS	00059	04.40	34.000	26.97		1468.2							
	STD	00075	07.75	34.62	27.03	00.124	1462.7							
	OBS	00079	06.77	34.610	27.03		1466.9							
	OBS	00087	06.92	34.485	27.05		1479.5							
	OBS	00093	06.59	34.470	27.08		1478.3							
	OBS	00097	06.72	34.505	27.09		1478.9							
	STD	00100	05.83	34.37	27.10	0C.149	1475.2							
	OBS	00100	05.73	34.360	27.10		1474.8							
	OBS	00106	06.99	34.585	27.11		1480.2							
	OBS	00123	06.74	34.557	27.13		1479.5							
	STD	00125	06.79	34.57	27.13	00.173	1479.7							
	OBS	00129	06.90	34.605	27.14		1480.3							
	OBS	00135	06.85	34.577	27.13		1480.1							
	OBS	00142	06.69	34.617	27.18		1479.7							
	OBS	00148	07.00	34.680	27.19		1481.1							
	STD	00150	06.98	34.67	27.18	0C.197	1481.0							
	OBS	00152	06.96	34.665	27.18		1481.0							
	OBS	00173	06.81	34.680	27.21		1480.7							
	OBS	00177	07.34	34.810	27.24		1483.0							
	OBS	00180	07.42	34.840	27.25		1483.4							
	OBS	00186	07.78	34.905	27.25		1485.0							
	OBS	00192	07.82	34.900	27.24		1485.3							
	OBS	00199	06.63	34.707	27.26		1480.5							
	STD	00200	06.63	34.71	27.26	00.241	1480.5							
	OBS	00201	06.61	34.730	27.28		1480.5							
	OBS	00205	06.61	34.730	27.28		1480.5							
	OBS	00213	C5.92	34.620	27.28		1477.8							
	OBS	00226	05.41	34.580	27.32		1475.9							
	OBS	00249	05.35	34.620	27.35		1476.0							
	STD	00250	05.33	34.62	27.35	00.281	1476.0							
	OBS	00255	04.98	34.570	27.36		1474.6							
	OBS	00257	04.75	34.550	27.37		1473.6							
	OBS	00258	04.77	34.580	27.39		1473.8							
	OBS	00264	05.36	34.670	27.39		1476.4							
	OBS	00266	05.32	34.680	27.41		1476.3							
	OBS	00272	06.28	34.865	27.43		1480.5							
	OBS	00277	06.71	34.940	27.43		1482.4							
	OBS	00285	06.72	34.950	27.44		1482.6							
	OBS	00295	05.21	34.690	27.43		1476.3							
	STD	00300	05.18	34.71	27.44	00.317	1476.3							
	OBS	00300	05.15	34.710	27.45		1476.2							
	OBS	00306	04.80	34.660	27.45		1474.8							
	OBS	00323	05.17	34.790	27.51		1476.8							
	OBS	00329	05.42	34.830	27.51		1477.9							
	OBS	00335	05.51	34.860	27.52		1478.4							
	OBS	00344	05.00	34.775	27.52		1476.4							
	OBS	00350	04.95	34.780	27.53		1476.3							
	OBS	00394	05.37	34.920	27.59		1478.9							
	STD	00400	05.76	34.99	27.60	00.379	1480.7							
	OBS	00401	05.78	34.990	27.59		1480.8							
	OBS	00403	05.76	34.980	27.59		1480.7							
	OBS	00409	06.23	35.080	27.61		1482.8							
	OBS	00451	06.10	35.085	27.63		1483.0							
	STD	00500	05.54	35.04	27.66	00.432	1481.5							
	OBS	00500	05.53	35.040	27.66		1481.5							
	OBS	00512	05.43	35.030	27.67		1481.2							
	OBS	00519	05.10	34.980	27.67		1480.0							
	OBS	00550	05.27	35.040	27.70		1481.2							
	STC	00600	05.30	35.06	27.71	00.481	1482.2							
	OBS	00601	05.30	35.065	27.71		1482.2							
	OBS	00651	04.70	34.980	27.72		1480.5							
	STD	00700	04.58	34.98	27.73	00.527	1480.8							
	OBS	00700	04.58	34.983	27.73		1480.8							
	OBS	00750	04.48	34.980	27.74		1481.2							
	STD	00800	04.40	34.98	27.74	00.572	1481.7							
	OBS	00801	04.40	34.975	27.74		1481.7							
	OBS	00850	04.34	34.970	27.75		1482.3							
	STD	00900	04.24	34.97	27.76	00.616	1482.7							
	OBS	00900	04.24	34.970	27.76		1482.7							
	OBS	00951	04.15	34.960	27.76		1483.2							
	STD	01000	04.17	34.97	27.77	00.661	1484.1							
	OBS	01001	04.17	34.970	27.77		1484.1							
	OBS	01020	04.14	34.970	27.77		1484.3							

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REFID 31 8371	YEAR 1974	BOTDP 03951	AIR TEMP 12.4	DIR HGT PER	WIND-DIR 20	INST STD RECORDER	TEN SQ 1306
CONSEC 0073	MONTH 07	SHIP EV	WET BULB 12.3	22 5 8	WIND-SPD 12	TRACE DIR D	5 SQUARE 2
LAT 44 13.2N	DAY 01	DATA USE 1	BARCMETR 1015.9	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 46
LONG 047 09.0W	HOUR 15.6	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 675	1 SQUARE 47

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	11.18	32.82	25.07	00.000	1491.8							
15.6	OBS	00000	11.18	32.820	25.07		1491.8							
	STD	00010	10.73	32.75	25.09	00.029	1490.3							
	OBS	00010	10.73	32.750	25.09		1490.3							
	STD	00020	09.04	32.82	25.43	00.056	1484.4							
	OBS	00020	09.04	32.820	25.43		1484.4							
	STD	00030	08.05	33.14	25.83	00.080	1481.2							
	OBS	00030	08.05	33.140	25.83		1481.2							
	OBS	00040	07.93	33.400	26.05		1481.2							
	STD	00050	06.69	33.84	26.57	00.117	1477.1							
	OBS	00050	06.69	33.840	26.57		1477.1							
	OBS	00070	05.25	34.170	27.01		1472.1							
	STD	00075	05.29	34.22	27.05	00.148	1472.4							
	OBS	00075	05.29	34.220	27.05		1472.4							
	STD	00100	06.42	34.47	27.10	00.173	1477.7							
	OBS	00100	06.42	34.470	27.10		1477.7							
	STD	00125	04.39	34.28	27.19	00.197	1469.6							
	OBS	00125	04.39	34.280	27.19		1469.6							
	OBS	00135	05.50	34.450	27.20		1474.5							
	STD	00150	04.75	34.37	27.23	00.219	1471.6							
	OBS	00150	04.75	34.370	27.23		1471.6							
	OBS	00190	06.08	34.610	27.26		1478.0							
	STD	00200	06.07	34.59	27.24	00.262	1478.1							
	OBS	00200	06.07	34.590	27.24		1478.1							
	OBS	00220	05.91	34.600	27.27		1477.8							
	OBS	00240	06.49	34.840	27.38		1480.8							
	STD	00250	06.25	34.85	27.42	00.301	1480.0							
	OBS	00250	06.25	34.850	27.42		1480.0							
	OBS	00270	06.29	34.880	27.44		1480.5							
	STD	00300	04.85	34.72	27.49	00.335	1475.0							
	OBS	00300	04.85	34.720	27.49		1475.0							
	OBS	00340	04.77	34.780	27.55		1475.4							
	OBS	00350	04.24	34.720	27.56		1473.2							
	OBS	00370	03.75	34.660	27.56		1471.4							
	OBS	00390	03.46	34.650	27.58		1470.5							
	STD	00400	03.51	34.68	27.60	00.393	1470.9							
	OBS	00400	03.51	34.680	27.60		1470.9							
	OBS	00450	04.96	34.950	27.66		1478.2							
	STD	00500	04.95	34.97	27.68	00.444	1479.0							
	OBS	00500	04.95	34.970	27.68		1479.0							
	OBS	00535	05.22	35.060	27.72		1480.8							
	STD	00600	05.07	35.05	27.73	00.491	1481.3							
	OBS	00600	05.07	35.050	27.73		1481.3							
	STD	00700	04.78	35.01	27.73	00.536	1481.7							
	OBS	00700	04.78	35.010	27.73		1481.7							
	OBS	00755	04.56	34.980	27.73		1481.6							
	STD	00800	04.52	34.99	27.74	00.581	1482.2							
	OBS	00800	04.52	34.990	27.74		1482.2							
	STD	00900	04.39	34.99	27.76	00.626	1483.4							
	OBS	00900	04.39	34.990	27.76		1483.4							
	STD	01000	04.15	34.97	27.77	00.670	1484.0							
	OBS	01000	04.15	34.970	27.77		1484.0							
	OBS	01025	04.14	34.970	27.77		1484.4							

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REFID 31 8371	YEAR 1974	BOTDP 03840	AIR TEMP 12.7	DIR HGT PER	WIND-DIR 20	INST STD RECORDER	TEN SQ 1306
CONSEC 0074	MONTH 07	SHIP EV	WET BULB 12.3	20 2 2	WIND-SPD 16	TRACE DIR D	5 SQUARE 2
LAT 44 07.0N	DAY 01	DATA USE I	BAROMETR 1016.5	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 46
LONG 046 32.5W	HOUR 18.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X8	ORIG 011 676	1 SQUARE 46

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	10.62	32.86	25.20	00.000	1489.9							
18.9	OBS	00003	10.62	32.860	25.20		1490.0							
	STD	00010	10.61	32.85	25.19	00.028	1490.0							
	OBS	00011	10.56	32.840	25.19		1489.8							
	OBS	00017	10.17	32.780	25.21		1488.4							
	STD	00020	09.54	32.62	25.20	00.056	1486.0							
	OBS	00020	09.18	32.610	25.24		1484.6							
	OBS	00022	08.16	32.630	25.41		1480.9							
	OBS	00024	07.41	32.570	25.79		1476.4							
	OBS	00026	06.93	33.017	25.89		1476.6							
	STD	00030	06.20	32.98	25.95	00.080	1473.7							
	OBS	00030	06.10	32.970	25.96		1473.3							
	OBS	00034	05.32	33.157	26.20		1470.4							
	OBS	00049	05.66	33.210	26.21		1472.1							
	STD	00050	04.88	33.10	26.21	00.119	1468.8							
	OBS	00051	03.28	32.930	26.23		1461.8							
	OBS	00053	02.49	33.070	26.41		1458.6							
	OBS	00055	01.01	33.200	26.62		1452.3							
	OBS	00057	00.95	33.330	26.73		1452.2							
	OBS	00064	00.52	33.350	26.77		1450.4							
	OBS	00066	00.08	33.360	26.81		1448.5							
	OBS	00068	00.10	33.473	26.89		1448.8							
	STD	00075	00.33	33.60	26.98	00.155	1450.1							
	OBS	00076	00.44	33.620	26.99		1450.6							
	OBS	00079	00.97	33.705	27.03		1453.2							
	OBS	00081	00.98	33.710	27.03		1453.3							
	OBS	00087	01.59	33.600	27.03		1458.0							
	OBS	00093	02.56	33.870	27.04		1460.7							
	OBS	00095	02.81	33.890	27.04		1461.8							
	STD	00100	03.58	34.01	27.06	00.181	1465.4							
	OBS	00100	03.69	34.030	27.07		1465.9							
	OBS	00110	04.05	34.110	27.10		1467.7							
	OBS	00118	05.04	34.250	27.10		1472.1							
	OBS	00121	05.07	34.250	27.09		1472.3							
	STD	00125	04.58	34.18	27.10	00.206	1470.2							
	OBS	00135	03.49	34.070	27.12		1465.7							
	OBS	00140	03.21	34.075	27.15		1464.6							
	STD	00150	03.60	34.16	27.18	00.230	1466.5							
	OBS	00158	03.99	34.235	27.20		1468.4							
	OBS	00165	04.40	34.300	27.21		1470.3							
	OBS	00173	05.05	34.400	27.22		1473.3							
	OBS	00175	05.04	34.420	27.23		1473.3							
	OBS	00177	05.08	34.430	27.24		1473.5							
	OBS	00180	05.55	34.520	27.25		1475.6							
	OBS	00190	05.41	34.490	27.24		1475.1							
	OBS	00192	04.92	34.410	27.24		1473.1							
	OBS	00198	04.78	34.450	27.29		1472.6							
	STD	00200	05.22	34.53	27.30	00.273	1474.6							
	OBS	00201	05.51	34.580	27.30		1475.9							
	OBS	00209	05.51	34.575	27.30		1476.0							
	OBS	00224	04.39	34.410	27.30		1471.4							
	OBS	00228	04.12	34.410	27.33		1470.3							
	OBS	00234	04.14	34.407	27.32		1470.5							
	OBS	00239	03.44	34.350	27.35		1467.6							
	STD	00250	03.44	34.40	27.39	00.311	1467.8							
	OBS	00251	03.44	34.410	27.40		1467.8							
	OBS	00270	03.20	34.450	27.45		1467.2							
	OBS	00274	04.30	34.630	27.48		1472.1							
	OBS	00279	04.82	34.710	27.49		1474.5							
	OBS	00289	05.51	34.860	27.52		1477.7							
	OBS	00298	06.42	35.000	27.52		1481.7							
	STD	00300	06.43	35.00	27.52	00.345	1481.7							
	OBS	00300	06.43	35.000	27.52		1481.7							
	OBS	00304	06.45	35.000	27.51		1481.9							
	OBS	00310	06.69	35.060	27.53		1483.0							
	OBS	00329	06.70	35.070	27.54		1483.4							
	OBS	00336	06.32	35.000	27.53		1481.9							
	OBS	00342	06.30	34.990	27.53		1481.9							
	OBS	00344	05.50	34.930	27.53		1480.2							
	OBS	00350	05.85	34.955	27.56		1480.2							
	OBS	00359	05.87	34.960	27.56		1480.4							
	OBS	00369	05.32	34.880	27.56		1478.2							
	STD	00400	05.34	34.90	27.58	00.404	1478.9							
	OBS	00403	05.37	34.910	27.58		1479.1							
	OBS	00409	05.42	34.920	27.58		1479.4							
	OBS	00415	05.14	34.870	27.58		1478.2							
	OBS	00451	04.98	34.905	27.62		1478.2							
	STD	00500	05.14	34.98	27.66	00.458	1479.8							
	OBS	00500	05.14	34.980	27.66		1479.8							
	OBS	00553	05.26	35.020	27.68		1481.2							
	STD	00600	04.82	34.97	27.69	00.507	1480.1							
	OBS	00601	04.81	34.970	27.69		1480.1							
	OBS	00651	04.58	34.960	27.71		1480.0							
	STD	00700	04.61	34.97	27.72	00.554	1480.9							
	OBS	00700	04.61	34.970	27.72		1480.9							
	OBS	00750	04.50	34.970	27.73		1481.3							
	STD	00800	04.37	34.96	27.74	00.600	1481.6							
	OBS	00801	04.37	34.960	27.74		1481.6							
	OBS	00850	04.33	34.960	27.74		1482.2							
	STD	00900	04.28	34.96	27.75	00.645	1482.9							
	OBS	00900	04.28	34.960	27.75		1482.9							
	OBS	00951	04.28	34.970	27.75		1483.7							
	STD	01000	04.23	34.97	27.76	00.690	1484.3							
	OBS	01001	04.23	34.965	27.76		1484.3							
	OBS	01026	04.21	34.965	27.76		1484.7							

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REFID 31 8371	YEAR 1974	BOTOP 04390	AIR TEMP 13.8	DIR HGT PER	WIND-DIR 22	INST STD RECORDER	TEN SQ 1306
CONSEC 0075	MONTH 07	SHIP EV	WET BULB 13.5	21 [illegible] 2	WIND-SPD 15	TRACE DIR D	5 SQUARE 2
LAT 44 01.8N	DAY 01	DATA USE I	BAROMETR 1017.8	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 46
LONG 046 02.0W	HOUR 21.9	AREA 05	CLUUD T/A	CL/TR	WEATHER X3	CRIG 011 677	1 SQUARE 46

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	12.33	33.15	25.11	00.000	1496.3							
21.9	OBS	00001	12.33	33.146	25.11		1496.3							
	STD	00010	12.50	33.25	25.16	00.028	1497.2							
	OBS	00011	12.51	33.272	25.17		1497.2							
	OBS	00019	12.44	33.370	25.26		1497.2							
	STD	00020	10.65	32.97	25.28	00.056	1490.5							
	OBS	00022	07.29	32.500	25.43		1477.3							
	OBS	00024	06.40	32.714	25.72		1474.1							
	STD	00030	04.96	32.81	25.97	00.080	1468.4							
	OBS	00030	04.89	32.815	25.98		1468.1							
	OBS	00032	04.74	32.790	25.98		1467.5							
	OBS	00034	04.22	32.836	26.07		1465.4							
	OBS	00036	04.17	32.890	26.12		1465.3							
	OBS	00038	03.95	32.866	26.12		1464.4							
	OBS	00041	03.26	32.900	26.21		1461.6							
	OBS	00043	03.50	33.117	26.36		1462.9							
	STD	00050	08.20	33.85	26.37	00.117	1483.0							
	OBS	00051	08.68	33.940	26.36		1485.0							
	OBS	00057	08.44	33.978	26.43		1484.2							
	OBS	00059	08.08	33.902	26.42		1482.8							
	OBS	00060	08.00	34.040	26.54		1482.7							
	OBS	00062	08.35	34.140	26.57		1484.2							
	OBS	00066	08.19	34.133	26.59		1483.6							
	OBS	00070	06.95	34.018	26.67		1478.7							
	OBS	00072	06.64	34.040	26.73		1477.6							
	STD	00075	07.26	34.20	26.77	00.154	1480.2							
	OBS	00095	08.88	34.800	27.00		1487.6							
	OBS	00097	08.76	34.805	27.02		1487.1							
	STD	00100	08.34	34.74	27.04	00.184	1485.5							
	OBS	00102	07.66	34.610	27.04		1482.8							
	OBS	00104	07.04	34.480	27.02		1480.2							
	OBS	00106	C7.09	34.500	27.03		1480.5							
	OBS	00108	06.10	34.365	27.06		1476.4							
	OBS	00123	05.80	34.340	27.08		1475.4							
	STD	00125	05.60	34.31	27.08	00.209	1474.6							
	OBS	00125	05.51	34.300	27.08		1474.2							
	STD	00150	05.48	34.32	27.10	00.234	1474.5							
	OBS	00150	05.48	34.320	27.10		1474.5							
	OBS	00159	05.84	34.400	27.12		1476.3							
	OBS	00163	06.53	34.523	27.13		1479.3							
	OBS	00167	06.93	34.590	27.13		1481.0							
	OBS	00175	07.05	34.600	27.12		1481.6							
	OBS	00180	07.37	34.666	27.12		1483.0							
	OBS	00190	07.38	34.660	27.12		1483.2							
	OBS	00198	06.79	34.575	27.13		1480.9							
	OBS	00199	06.83	34.580	27.13		1481.1							
	STD	00200	06.84	34.58	27.13	00.283	1481.1							
	OBS	00203	07.07	34.620	27.13		1482.2							
	OBS	00211	07.13	34.640	27.14		1482.6							
	OBS	00215	07.55	34.730	27.15		1484.4							
	OBS	00218	07.73	34.752	27.14		1485.2							
	OBS	00224	07.38	34.685	27.14		1483.8							
	OBS	00226	07.37	34.690	27.14		1483.8							
	OBS	00232	07.64	34.752	27.15		1485.0							
	STD	00250	07.86	34.81	27.17	00.331	1486.3							
	OBS	00251	07.91	34.830	27.17		1486.5							
	OBS	00255	08.07	34.900	27.20		1487.2							
	OBS	00262	09.04	35.100	27.21		1491.3							
	OBS	00264	09.08	35.110	27.21		1491.5							
	OBS	00268	09.44	35.195	27.22		1493.0							
	OBS	00276	09.47	35.195	27.21		1493.2							
	STD	00300	09.12	35.12	27.21	0C.379	1492.2							
	OBS	00300	09.07	35.112	27.21		1492.0							
	OBS	00304	08.80	35.070	27.22		1491.0							
	OBS	00310	C8.70	35.056	27.23		1490.7							
	OBS	00317	08.29	35.010	27.26		1489.3							
	OBS	00336	08.11	34.983	27.26		1488.9							
	OBS	00342	07.46	34.875	27.28		1486.3							
	OBS	00346	07.44	34.895	27.29		1486.3							
	OBS	00350	07.05	34.820	27.29		1484.8							
	OBS	00359	06.96	34.800	27.29		1484.5							
	OBS	00378	06.73	34.836	27.34		1484.0							
	OBS	00382	06.38	34.775	27.35		1482.6							
	OBS	00390	06.36	34.780	27.35		1482.6							

TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	OBS	00399	04.40	34.51u	27.38		1474.5							
	STD	00400	04.39	34.51	27.38	00.462	1474.4							
	OBS	00401	04.35	34.520	27.39		1474.3							
	OBS	00411	04.40	34.58u	27.43		1474.7							
	OBS	00418	04.77	34.63b	27.43		1476.5							
	OBS	00422	04.44	34.58u	27.43		1475.1							
	OBS	00451	03.50	34.56u	27.47		1473.3							
	OBS	00454	03.94	34.55u	27.46		1473.5							
	OBS	00464	05.00	34.87u	27.52		1480.9							
	OBS	00475	05.71	34.89u	27.52		1481.6							
	OBS	00479	05.44	34.84u	27.52		1480.5							
	STD	00500	05.57	34.91	27.56	00.530	1481.4							
	OBS	00500	05.57	34.910	27.56		1481.5							
	OBS	00533	05.63	34.990	27.61		1482.3							
	OBS	00536	05.87	35.020	27.61		1483.4							
	OBS	00548	05.60	34.980	27.61		1482.5							
	OBS	00550	05.66	34.99u	27.61		1482.8							
	OBS	00561	05.51	34.960	27.60		1482.3							
	OBS	00563	05.28	34.920	27.60		1481.3							
	STD	00600	04.99	34.91	27.63	00.588	1480.7							
	OBS	00601	04.98	34.910	27.63		1480.7							
	OBS	00651	04.85	34.93b	27.66		1481.0							
	STD	00700	04.73	34.93	27.68	00.640	1481.4							
	OBS	00702	04.73	34.93b	27.68		1481.4							
	OBS	00750	04.82	34.97u	27.69		1482.6							
	STD	00800	04.63	34.96	27.71	00.690	1482.7							
	OBS	00801	04.63	34.96u	27.71		1482.7							
	OBS	00850	04.48	34.95b	27.72		1482.9							
	STD	00900	04.24	34.92	27.72	00.738	1482.6							
	OBS	00900	04.24	34.92b	27.72		1482.6							
	OBS	00951	04.28	34.95b	27.74		1483.7							
	STD	01000	04.37	34.98	27.75	00.785	1484.9							
	OBS	01003	04.37	34.980	27.75		1485.0							
	OBS	01022	04.37	34.980	27.75		1485.3							

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REFID 31 8371	YEAR 1974	BOTOP 04206	AIR TEMP 12.7	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1306
CONSEC 0076	MONTH 07	SHIP EV	WET BULB 12.2	21 1 2	WIND-SPD 14	TRACE DIR D	5 SQUARE 2
LAT 43 40.0N	DAY 02	DATA USE 1	BAROMETR 1018.5	SEA	WIND-FOR	DURATION 00.5	2 SQUARE 26
LONG 046 03.5W	HOUR 01.8	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 678	1 SQUARE 36

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	16.55	35.02	25.66	00.000	1512.2							
01.8	OBS	00003	16.55	35.025	25.66		1512.3							
	STD	00010	16.55	35.03	25.66	00.023	1512.4							
	OBS	00011	16.55	35.033	25.66		1512.4							
	OBS	00019	16.54	35.040	25.67		1512.5							
	STD	00020	16.61	35.15	25.74	00.046	1512.9							
	OBS	00022	16.69	35.412	25.92		1513.5							
	STD	00030	16.03	35.65	26.26	00.067	1511.9							
	OBS	00030	15.99	35.660	26.27		1511.8							
	STD	00050	15.82	35.83	26.45	00.101	1511.8							
	OBS	00051	15.79	35.835	26.46		1511.7							
	OBS	00068	15.33	35.790	26.52		1510.5							
	STD	00075	15.32	35.83	26.56	00.140	1510.7							
	OBS	00076	15.32	35.835	26.56		1510.7							
	STD	00100	15.29	35.87	26.60	00.177	1511.0							
	OBS	00100	15.28	35.873	26.60		1511.0							
	STD	00125	14.52	35.73	26.66	00.213	1508.8							
	OBS	00125	14.50	35.730	26.66		1508.8							
	STD	00150	13.98	35.63	26.70	00.249	1507.3							
	OBS	00150	13.97	35.628	26.70		1507.3							
	OBS	00175	13.72	35.606	26.73		1506.9							
	STD	00200	13.54	35.60	26.77	00.317	1506.7							
	OBS	00203	13.51	35.600	26.77		1506.7							
	OBS	00220	13.32	35.585	26.80		1506.3							
	OBS	00224	13.05	35.520	26.80		1505.4							
	OBS	00226	13.05	35.530	26.81		1505.4							
	OBS	00228	13.04	35.520	26.81		1505.4							
	OBS	00232	12.81	35.480	26.82		1504.6							
	OBS	00237	12.70	35.460	26.83		1504.3							
	OBS	00247	12.96	35.580	26.87		1505.5							
	OBS	00249	12.55	35.460	26.86		1504.0							
	STD	00250	12.55	35.47	26.86	00.383	1504.0							
	OBS	00251	12.55	35.480	26.87		1504.1							
	OBS	00253	12.55	35.480	26.87		1504.1							
	OBS	00257	12.73	35.550	26.89		1504.9							
	OBS	00260	12.70	35.550	26.90		1504.8							
	OBS	00266	12.47	35.500	26.90		1504.1							
	OBS	00277	12.23	35.460	26.92		1503.4							
	STD	00300	11.69	35.40	26.98	00.443	1501.8							
	OBS	0Q300	11.67	35.400	26.98		1501.8							
	OBS	00308	11.49	35.393	27.01		1501.3							
	OBS	00312	11.16	35.320	27.01		1500.1							
	OBS	00316	11.11	35.325	27.03		1500.0							
	OBS	00319	10.90	35.295	27.04		1499.2							
	OBS	00321	10.92	35.306	27.04		1499.3							
	OBS	00323	10.60	35.210	27.03		1498.1							
	OBS	00325	10.58	35.220	27.04		1498.1							
	OBS	00335	10.88	35.313	27.06		1499.4							
	OBS	00344	10.68	35.290	27.08		1498.9							
	OBS	00352	09.74	35.110	27.10		1495.4							
	OBS	00354	09.74	35.110	27.10		1495.4							
	OBS	00361	10.19	35.215	27.11		1497.3							
	OBS	00367	10.02	35.175	27.10		1496.7							
	OBS	00371	09.49	35.070	27.11		1494.7							
	STD	00400	09.62	35.19	27.19	00.550	1495.8							
	OBS	00401	09.63	35.206	27.19		1495.9							
	OBS	00418	09.21	35.120	27.20		1494.5							
	OBS	00422	08.86	35.060	27.21		1493.2							
	OBS	00428	08.82	35.075	27.23		1493.2							
	OBS	00432	07.85	34.897	27.24		1489.3							
	OBS	00437	07.81	34.910	27.25		1489.3							
	OBS	00447	08.48	35.050	27.26		1492.2							
	OBS	00451	08.44	35.056	27.27		1492.1							
	OBS	00474	08.42	35.090	27.30		1492.4							
	OBS	00477	08.18	35.046	27.30		1491.5							
	OBS	00481	08.12	35.030	27.30		1491.3							
	OBS	00485	07.84	34.980	27.30		1490.3							
	OBS	00491	07.82	34.990	27.31		1490.3							
	OBS	00494	06.79	34.830	27.33		1486.1							
	STD	00500	06.77	34.83	27.34	00.640	1486.1							
	OBS	00500	06.76	34.830	27.34		1486.1							
	OBS	00517	06.34	34.830	27.40		1484.7							
	OBS	00538	07.13	34.980	27.41		1488.4							
	OBS	00546	05.65	34.743	27.41		1482.3							

TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	OBS	00550	05.65	34.735	27.41		1482.4							
	OBS	00561	05.17	34.670	27.42		1480.5							
	OBS	00563	05.17	34.690	27.43		1480.6							
	OBS	00567	05.48	34.740	27.43		1482.0							
	OBS	00573	05.51	34.760	27.45		1482.2							
	OBS	00578	05.84	34.830	27.46		1483.7							
	OBS	00592	05.84	34.840	27.47		1484.0							
	STD	00600	04.64	34.66	27.47	00.716	1478.9							
	OBS	00609	03.92	34.575	27.48		1476.0							
	OBS	00618	03.92	34.610	27.51		1476.2							
	OBS	00624	05.30	34.870	27.56		1482.4							
	OBS	00639	05.30	34.850	27.54		1482.6							
	OBS	00647	04.69	34.750	27.53		1480.1							
	OBS	00649	04.37	34.730	27.55		1478.7							
	OBS	00651	04.35	34.720	27.55		1478.7							
	OBS	00664	03.60	34.645	27.56		1475.6							
	OBS	00670	03.60	34.680	27.59		1475.8							
	OBS	00675	04.30	34.773	27.60		1479.0							
	OBS	00685	04.44	34.800	27.60		1479.7							
	OBS	00689	04.99	34.903	27.62		1482.2							
	STD	00700	05.05	34.91	27.62	00.778	1482.6							
	OBS	00700	05.05	34.910	27.62		1482.7							
	OBS	00731	05.30	34.990	27.65		1484.3							
	OBS	00734	05.75	35.060	27.65		1486.3							
	OBS	00751	05.79	35.080	27.66		1486.7							
	OBS	00788	05.67	35.075	27.67		1486.8							
	OBS	00797	05.38	35.015	27.66		1485.8							
	STD	00800	05.35	35.03	27.68	00.833	1485.7							
	OBS	00801	05.34	35.035	27.68		1485.7							
	OBS	00850	04.98	34.990	27.69		1485.0							
	STD	00900	04.82	34.98	27.70	00.884	1485.1							
	OBS	00900	04.82	34.980	27.70		1485.1							
	OBS	00951	04.78	35.000	27.72		1485.8							
	STD	01000	04.61	34.99	27.73	00.934	1485.9							
	OBS	01001	04.60	34.990	27.73		1485.9							
	OBS	01022	04.50	34.980	27.74		1485.8							

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REFID 31 8371 YEAR 1974 BCTDP 04457 AIR TEMP 16.5 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1306
CONSEC 0077 MONTH 07 SHIP EV WET BULB 16.3 20 1 2 WIND-SPD 16 TRACE DIR D 5 SQUARE 2
LAT 43 22.1N DAY 02 DATA USE 1 BAROMETR 1018.6 SEA WIND-FOR DURATION 00.3 2 SQUARE 26
LONG 046 14.0W HOUR 05.6 AREA 05 CLOUD T/A CL/TR WEATHER X4 CRIG 011 679 1 SQUARE 36

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	16.70	35.04	25.63	00.000	1512.7							
05.6	OBS	00003	16.70	35.040	25.63		1512.8							
	OBS	00007	16.83	35.280	25.79		1513.5							
	STD	00010	17.32	35.41	25.77	00.023	1515.2							
	OBS	00011	17.57	35.500	25.78		1516.0							
	OBS	00017	18.33	35.970	25.95		1518.9							
	STD	00020	18.44	36.01	25.95	00.045	1519.3							
	OBS	00020	18.46	36.020	25.96		1519.4							
	OBS	00022	18.48	36.040	25.97		1519.5							
	STD	00030	17.94	35.96	26.04	00.065	1518.0							
	OBS	00030	17.89	35.950	26.04		1517.8							
	OBS	00036	17.14	35.830	26.13		1515.6							
	OBS	00040	16.96	35.890	26.22		1515.2							
	OBS	00041	17.12	35.990	26.26		1515.8							
	OBS	00045	16.93	35.940	26.27		1515.2							
	OBS	00049	16.58	35.870	26.30		1514.2							
	STD	00050	16.40	35.82	26.30	00.102	1513.5							
	OBS	00051	15.97	35.690	26.30		1512.1							
	OBS	00055	15.33	35.560	26.35		1510.0							
	OBS	00059	15.27	35.610	26.40		1510.0							
	OBS	00066	14.71	35.570	26.49		1508.3							
	OBS	00068	14.74	35.570	26.49		1508.4							
	OBS	00074	15.01	35.650	26.49		1509.4							
	STD	00075	14.85	35.81	26.49	00.144	1508.9							
	OBS	00079	14.13	35.450	26.52		1506.5							
	OBS	00091	14.43	35.630	26.60		1507.8							
	OBS	00097	15.22	35.870	26.61		1510.7							
	STD	00100	15.22	35.85	26.60	00.182	1510.8							
	OBS	00100	15.22	35.850	26.60		1510.8							
	STD	00125	14.97	35.81	26.62	00.219	1510.3							
	OBS	00125	14.96	35.810	26.62		1510.3							
	OBS	00133	14.90	35.810	26.64		1510.3							
	STD	00150	14.49	35.71	26.65	00.255	1509.1							
	OBS	00152	14.43	35.690	26.65		1508.9							
	OBS	00175	13.90	35.630	26.71		1507.5							
	OBS	00188	13.77	35.610	26.72		1507.3							
	OBS	00192	13.43	35.540	26.74		1506.1							
	OBS	00198	13.45	35.560	26.75		1506.3							
	STD	00200	13.24	35.50	26.75	00.325	1505.6							
	OBS	00203	12.91	35.420	26.75		1504.4							
	OBS	00226	12.67	35.400	26.79		1504.0							
	OBS	00249	12.48	35.410	26.83		1503.7							
	STD	00250	12.52	35.42	26.84	00.391	1503.9							
	OBS	00255	12.82	35.530	26.86		1505.1							
	OBS	00260	13.07	35.600	26.86		1506.1							
	OBS	00277	13.00	35.620	26.89		1506.2							
	STD	00300	12.49	35.54	26.93	00.454	1504.7							
	OBS	00304	12.38	35.525	26.94		1504.4							
	OBS	00336	11.62	35.420	27.01		1502.2							
	OBS	00346	10.92	35.270	27.02		1499.7							
	OBS	00350	10.92	35.300	27.04		1499.8							
	OBS	00352	10.90	35.290	27.04		1499.8							
	OBS	00354	10.56	35.210	27.04		1498.5							
	OBS	00376	09.51	34.990	27.05		1494.8							
	OBS	00378	09.45	35.060	27.11		1494.7							
	OBS	00382	08.70	34.900	27.11		1491.7							
	OBS	00386	08.68	34.900	27.11		1491.7							
	OBS	00392	08.34	34.830	27.11		1490.4							
	OBS	00395	08.34	34.830	27.11		1490.5							
	STD	00400	07.94	34.76	27.11	00.566	1488.9							
	OBS	00401	07.86	34.740	27.11		1488.6							
	OBS	00405	07.84	34.735	27.11		1488.6							
	OBS	00416	08.58	34.920	27.14		1491.9							
	OBS	00434	08.24	34.867	27.15		1490.8							
	OBS	00435	08.47	34.910	27.15		1491.8							
	OBS	00443	08.38	34.890	27.15		1491.5							
	OBS	00447	08.79	34.995	27.17		1493.3							
	OBS	00449	08.77	34.980	27.16		1493.2							
	OBS	00456	09.02	35.020	27.15		1494.3							
	OBS	00464	08.88	35.010	27.16		1493.9							
	OBS	00472	08.51	34.940	27.17		1492.5							
	OBS	00485	08.47	34.995	27.22		1492.7							
	OBS	00493	08.92	35.110	27.24		1494.6							
	STD	00500	08.93	35.11	27.24	00.665	1494.8							

TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	OBS	00502	08.93	35.110	27.24		1494.8							
	OBS	00514	08.61	35.070	27.25		1493.8							
	OBS	00525	07.82	34.930	27.27		1490.8							
	OBS	00527	07.94	35.040	27.33		1491.4							
	OBS	00533	08.31	35.100	27.33		1493.0							
	OBS	00550	07.88	35.040	27.34		1491.6							
	STD	00600	07.31	35.02	27.41	00.751	1490.1							
	OBS	00601	07.16	34.990	27.41		1489.6							
	OBS	00605	06.75	34.910	27.40		1487.9							
	OBS	00614	06.50	34.890	27.42		1487.1							
	OBS	00616	06.23	34.870	27.44		1486.0							
	OBS	00620	06.23	34.890	27.46		1486.1							
	OBS	00632	06.68	35.000	27.48		1488.2							
	OBS	00651	06.63	35.000	27.49		1488.3							
	OBS	00694	06.32	35.020	27.55		1487.8							
	STD	00700	05.46	34.88	27.55	00.822	1484.3							
	OBS	00717	04.01	34.670	27.54		1478.3							
	OBS	00719	03.99	34.670	27.55		1478.2							
	OBS	00725	03.74	34.640	27.55		1477.2							
	OBS	00727	03.68	34.620	27.54		1477.0							
	OBS	00731	03.60	34.630	27.55		1476.7							
	OBS	00734	03.62	34.640	27.56		1476.9							
	OBS	00740	03.99	34.720	27.59		1478.7							
	OBS	00751	03.99	34.720	27.59		1478.8							
	OBS	00761	04.17	34.780	27.61		1479.8							
	OBS	00772	04.60	34.830	27.61		1481.9							
	OBS	00778	04.49	34.830	27.62		1481.5							
	STD	00800	03.99	34.75	27.61	00.882	1479.7							
	OBS	00801	03.97	34.750	27.61		1479.6							
	OBS	00818	03.81	34.750	27.63		1479.2							
	OBS	00829	04.21	34.830	27.65		1481.2							
	OBS	00850	04.51	34.890	27.67		1482.9							
	STD	00900	04.99	34.98	27.68	00.936	1485.8							
	OBS	00900	04.99	34.980	27.68		1485.8							
	OBS	00951	04.56	34.950	27.71		1484.9							
	STD	01000	04.70	35.00	27.73	00.987	1486.3							
	OBS	01001	04.71	35.000	27.73		1486.4							
	OBS	01022	04.80	35.005	27.72		1487.1							

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REFID 31 8371	YEAR 1974	BOTDP 04365	AIR TEMP 18.0	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1306
CONSEC 0078	MONTH 07	SHIP EV	WET BULB 17.2	21 0 2	WIND-SPD 10	TRACE DIR D	5 SQUARE 2
LAT 42 59.5N	DAY 02	DATA USE 1	BAROMETR 1020.0	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 26
LONG 046 20.6W	HOUR 09.5	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 680	1 SQUARE 26

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	18.66	35.96	25.86	00.000	1519.5							
09.5	OBS	00000	18.66	35.962	25.86		1519.5							
	STD	00010	18.64	35.97	25.87	00.021	1519.7							
	OBS	00011	18.64	35.970	25.87		1519.7							
	OBS	00017	18.66	35.970	25.87		1519.8							
	STD	00020	18.52	35.97	25.90	00.043	1519.5							
	OBS	00020	18.48	35.966	25.91		1519.4							
	STD	00030	18.27	36.05	26.03	00.063	1519.0							
	OBS	00030	18.26	36.055	26.03		1519.0							
	STD	00050	17.49	36.07	26.23	00.102	1517.1							
	OBS	00051	17.46	36.076	26.24		1517.0							
	STD	00075	17.45	36.25	26.38	00.145	1517.6							
	OBS	00076	17.44	36.250	26.38		1517.6							
	STD	00100	17.01	36.18	26.44	00.187	1516.6							
	OBS	00102	16.96	36.175	26.44		1516.5							
	STD	00125	16.57	36.11	26.49	00.227	1515.7							
	OBS	00125	16.56	36.110	26.49		1515.6							
	STD	00150	16.20	36.02	26.50	00.267	1514.8							
	OBS	00150	16.19	36.020	26.51		1514.8							
	OBS	00156	16.24	36.100	26.55		1515.1							
	OBS	00159	16.03	36.030	26.55		1514.5							
	OBS	00175	15.85	36.000	26.57		1514.1							
	STD	00200	15.40	35.88	26.58	00.345	1513.0							
	OBS	00201	15.35	35.875	26.59		1512.9							
	OBS	00228	14.46	35.737	26.68		1510.3							
	STD	00250	14.34	35.75	26.71	00.418	1510.3							
	OBS	00251	14.33	35.750	26.71		1510.3							
	OBS	00276	14.11	35.730	26.75		1510.0							
	STD	00300	13.81	35.71	26.79	00.487	1509.4							
	OBS	00302	13.77	35.700	26.79		1509.3							
	OBS	00352	12.64	35.527	26.89		1506.1							
	STD	00400	11.88	35.46	26.99	00.614	1504.2							
	OBS	00401	11.85	35.460	26.99		1504.1							
	OBS	00451	10.64	35.290	27.08		1500.5							
	STD	00500	09.63	35.17	27.16	00.724	1497.5							
	OBS	00500	09.62	35.165	27.16		1497.4							
	OBS	00550	08.60	35.075	27.26		1494.3							
	OBS	00582	08.11	35.010	27.29		1492.9							
	OBS	00588	07.09	34.820	27.29		1488.8							
	OBS	00592	06.46	34.760	27.32		1486.3							
	STD	00600	06.52	34.78	27.33	00.817	1486.7							
	OBS	00601	06.53	34.780	27.33		1486.8							
	OBS	00605	06.18	34.720	27.33		1485.4							
	OBS	00611	06.05	34.750	27.37		1485.0							
	OBS	00614	06.41	34.830	27.39		1486.6							
	OBS	00616	06.45	34.830	27.38		1486.8							
	OBS	00620	05.87	34.720	27.37		1484.4							
	OBS	00622	05.85	34.740	27.39		1484.4							
	OBS	00630	05.48	34.670	27.38		1482.9							
	OBS	00632	05.34	34.683	27.41		1482.4							
	OBS	00645	05.91	34.840	27.46		1485.1							
	OBS	00652	06.02	34.876	27.47		1485.7							
	OBS	00654	06.07	34.860	27.45		1486.0							
	OBS	00672	05.50	34.800	27.48		1483.9							
	OBS	00675	05.80	34.870	27.50		1485.2							
	OBS	00677	05.84	34.870	27.49		1485.4							
	OBS	00685	06.34	34.970	27.51		1487.7							
	STD	00700	06.22	34.98	27.53	00.892	1487.5							
	OBS	00702	06.20	34.990	27.54		1487.4							
	OBS	00725	06.66	35.085	27.55		1489.8							
	OBS	00729	06.41	35.035	27.55		1488.8							
	OBS	00757	06.34	35.070	27.58		1489.0							
	STD	00800	06.13	35.05	27.60	00.956	1488.9							
	OBS	00803	06.12	35.050	27.60		1488.9							
	OBS	00850	05.96	35.080	27.64		1489.1							
	OBS	00873	05.69	35.040	27.64		1488.3							
	OBS	00881	05.21	34.975	27.65		1486.4							
	OBS	00889	05.19	34.960	27.64		1486.4							
	OBS	00896	04.98	34.950	27.66		1485.7							
	STD	00900	05.01	34.96	27.66	01.014	1485.9							
	OBS	00900	05.01	34.960	27.66		1485.9							
	OBS	00951	04.90	34.966	27.68		1486.3							
	STD	01000	04.80	34.97	27.70	01.068	1486.7							
	OBS	01001	04.80	34.970	27.70		1486.7							
	OBS	01020	04.77	34.970	27.70		1486.9							
	OBS	01022	04.77	34.975	27.70		1486.9							

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REFID 31 8371 YEAR 1974 BOTDP 03844 AIR TEMP 15.1 DIR HGT PER WIND-DIR 18 INST STD RECORDER TEN SQ 1306
CONSEC 0079 MONTH 07 SHIP EV WET BULB 15.1 17 2 8 WIND-SPD 16 TRACE DIR D 5 SQUARE 2
LAT 43 10.8N DAY 02 DATA USE 1 BAROMETR 1019.6 SEA WIND-FOR CURATION 00.4 2 SQUARE 26
LONG 046 54.0W HOUR 13.4 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 681 1 SQUARE 36

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	11.40	32.70	24.94	00.000	1492.5							
13.4	OBS	00003	11.40	32.700	24.94		1492.5							
	OBS	00007	10.53	32.683	25.08		1489.5							
	OBS	00009	10.26	32.720	25.15		1488.6							
	STD	00010	10.24	32.72	25.16	00.029	1488.5							
	OBS	00011	10.19	32.730	25.17		1488.4							
	OBS	00015	08.31	32.763	25.50		1481.4							
	OBS	00017	08.16	32.820	25.56		1481.0							
	STD	00020	06.34	32.77	25.77	00.055	1473.8							
	OBS	00020	05.89	32.760	25.82		1472.0							
	STD	00030	04.38	33.04	26.21	00.075	1466.3							
	OBS	00030	04.32	33.050	26.23		1466.1							
	OBS	00038	03.78	33.123	26.34		1464.0							
	OBS	00040	03.66	33.142	26.37		1463.6							
	OBS	00041	02.99	33.070	26.37		1460.6							
	OBS	00047	02.58	33.250	26.55		1459.2							
	STD	00050	02.18	33.28	26.61	00.107	1457.5							
	OBS	00051	02.00	33.292	26.63		1456.8							
	OBS	00053	01.82	33.290	26.64		1456.0							
	OBS	00055	01.05	33.217	26.63		1452.5							
	OBS	00057	00.54	33.320	26.75		1450.4							
	OBS	00059	00.56	33.390	26.80		1450.6							
	OBS	00060	00.89	33.407	26.79		1452.1							
	OBS	00062	00.98	33.440	26.82		1452.6							
	OBS	00066	00.84	33.442	26.83		1452.0							
	OBS	00070	00.44	33.460	26.86		1450.3							
	STD	00075	00.63	33.60	26.96	00.139	1451.5							
	OBS	00078	00.79	33.657	27.00		1452.3							
	OBS	00079	00.90	33.680	27.01		1452.9							
	OBS	00085	02.95	33.895	27.03		1462.3							
	OBS	00089	07.94	34.670	27.05		1483.7							
	OBS	00091	08.15	34.740	27.07		1484.7							
	OBS	00099	08.00	34.725	27.08		1484.2							
	STD	00100	07.74	34.67	27.07	00.166	1483.1							
	OBS	00100	07.52	34.620	27.07		1482.2							
	STD	00125	07.48	34.65	27.10	00.191	1482.5							
	OBS	00125	07.48	34.655	27.10		1482.5							
	OBS	00127	07.47	34.650	27.10		1482.5							
	OBS	00133	08.31	34.860	27.14		1486.1							
	OBS	00144	08.54	34.965	27.18		1487.3							
	STD	00150	09.18	35.09	27.18	00.215	1489.9							
	OBS	00150	09.20	35.090	27.18		1490.0							
	OBS	00152	09.26	35.097	27.17		1490.3							
	OBS	00158	09.42	35.120	27.16		1491.0							
	OBS	00161	09.47	35.130	27.16		1491.3							
	OBS	00169	08.32	34.893	27.16		1486.8							
	OBS	00177	08.13	34.910	27.20		1486.2							
	OBS	00180	08.04	34.870	27.19		1485.9							
	OBS	00188	07.25	34.750	27.21		1482.8							
	OBS	00192	06.70	34.677	27.23		1480.6							
	OBS	00198	06.87	34.690	27.21		1481.4							
	STD	00200	06.00	34.55	27.22	00.260	1477.8							
	OBS	00201	05.53	34.480	27.22		1475.8							
	OBS	00207	05.56	34.560	27.23		1477.7							
	OBS	00211	05.93	34.550	27.23		1477.7							
	OBS	00215	05.35	34.450	27.22		1475.2							
	OBS	00217	04.99	34.410	27.23		1473.8							
	OBS	00218	04.96	34.510	27.31		1473.8							
	OBS	00220	05.33	34.547	27.30		1475.4							
	OBS	00224	05.39	34.570	27.31		1475.7							
	OBS	00226	05.67	34.620	27.32		1477.0							
	OBS	00230	06.66	34.790	27.32		1481.2							
	OBS	00239	06.86	34.800	27.30		1482.2							
	OBS	00247	06.02	34.663	27.31		1478.8							
	STD	00250	05.96	34.66	27.31	00.303	1478.6							
	OBS	00251	05.89	34.650	27.31		1478.3							
	OBS	00257	05.24	34.580	27.34		1475.7							
	OBS	00264	05.18	34.567	27.33		1475.5							
	OBS	00268	04.62	34.495	27.34		1473.2							
	OBS	00277	04.92	34.610	27.40		1474.7							
	OBS	00281	05.59	34.720	27.40		1477.7							
	OBS	00289	05.86	34.785	27.42		1479.0							
	OBS	00297	06.09	34.830	27.43		1480.1							
	OBS	00298	06.39	34.880	27.43		1481.4							

TABLE 1. CGC EVERGREEN, April—June 1974—(Continued)

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00300	06.38	34.88	27.43	00.341	1481.4							
	OBS	00302	06.37	34.880	27.43		1481.4							
	OBS	00304	06.38	34.880	27.43		1481.4							
	OBS	00310	06.16	34.850	27.43		1480.6							
	OBS	00319	06.23	34.870	27.44		1481.1							
	OBS	00323	05.62	34.770	27.44		1478.6							
	OBS	00329	05.53	34.750	27.44		1478.3							
	OBS	00335	05.23	34.710	27.44		1477.1							
	OBS	00342	04.14	34.563	27.45		1472.5							
	OBS	00350	04.04	34.610	27.49		1472.3							
	OBS	00354	03.62	34.566	27.50		1470.5							
	OBS	00388	04.21	34.690	27.54		1473.7							
	OBS	00395	03.50	34.600	27.54		1470.7							
	STD	00400	03.44	34.60	27.55	00.405	1470.5							
	OBS	00401	03.42	34.600	27.55		1470.5							
	OBS	00439	03.54	34.710	27.62		1471.8							
	OBS	00449	05.45	34.980	27.63		1480.2							
	STD	00500	05.50	34.99	27.63	00.461	1481.3							
	OBS	00500	05.50	34.990	27.63		1481.3							
	OBS	00525	04.96	34.960	27.67		1479.5							
	OBS	00533	05.16	34.990	27.67		1480.4							
	OBS	00540	05.17	34.980	27.66		1480.6							
	OBS	00550	04.56	34.910	27.68		1478.1							
	OBS	00561	04.56	34.905	27.67		1478.3							
	OBS	00567	04.32	34.875	27.67		1477.4							
	STD	00600	04.51	34.92	27.69	00.512	1478.8							
	OBS	00601	04.52	34.920	27.69		1478.8							
	OBS	00633	04.66	34.950	27.70		1480.0							
	OBS	00641	04.31	34.900	27.70		1478.6							
	OBS	00651	04.34	34.905	27.70		1478.9							
	OBS	00656	04.60	34.955	27.71		1480.1							
	STD	00700	04.45	34.93	27.71	00.559	1480.2							
	OBS	00700	04.45	34.933	27.71		1480.2							
	OBS	00750	04.31	34.930	27.72		1480.4							
	STD	00800	04.26	34.95	27.74	00.605	1481.1							
	OBS	00801	04.26	34.950	27.74		1481.1							
	OBS	00850	04.37	34.950	27.73		1482.4							
	STD	00900	04.24	34.95	27.74	00.651	1482.7							
	OBS	00900	04.24	34.950	27.74		1482.7							
	OBS	00953	04.18	34.940	27.74		1483.3							
	STD	01000	04.05	34.94	27.75	00.696	1483.6							
	OBS	01003	04.05	34.940	27.75		1483.6							
	OBS	01026	04.03	34.940	27.76		1483.9							

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REFID 31 8371 YEAR 1974 BOTDP 03676 AIR TEMP 13.3 DIR HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1306
CONSEC 0080 MONTH 07 SHIP EV WET BULB 13.1 19 2 2 WIND-SPD 12 TRACE DIR D 5 SQUARE 2
LAT 43 21.0N DAY 02 DATA USE 1 BAROMETR 1019.2 SEA WIND-FOR DURATION 00.4 2 SQUARE 26
LONG 047 24.1W HOUR 17.1 AREA 05 CLOUD T/A CL/TR WEATHER X4 CRIG 011 682 1 SQUARE 37

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	P04	TOT P	NO2	NO3	SIO3	PH
	STD	00000	11.13	32.88	25.12	00.000	1491.7							
17.1	OBS	00001	11.13	32.875	25.12		1491.8							
	OBS	00005	11.06	32.865	25.13		1491.6							
	OBS	00009	10.40	32.770	25.17		1489.1							
	STD	00010	09.81	32.62	25.15	00.028	1486.8							
	OBS	00011	08.37	32.41e	25.21		1481.2							
	OBS	00013	06.89	32.610	25.58		1475.7							
	OBS	00017	06.01	32.73e	25.78		1472.4							
	OBS	00019	05.16	32.670	25.84		1468.9							
	STD	00020	05.06	32.81	25.96	00.053	1468.7							
	OBS	00020	04.96	32.910	26.05		1468.4							
	OBS	00024	04.49	32.97e	26.15		1466.6							
	STD	00030	03.95	33.17	26.36	00.071	1464.7							
	OBS	00030	03.87	33.180	26.38		1464.4							
	OBS	00034	03.16	33.180	26.44		1461.4							
	OBS	00040	02.52	33.250	26.52		1460.5							
	OBS	00045	03.60	33.39e	26.57		1463.7							
	OBS	00047	02.43	33.27e	26.58		1458.6							
	STD	00050	02.41	33.36	26.65	00.102	1458.7							
	OBS	00051	02.31	33.385	26.68		1458.3							
	OBS	00057	01.16	33.34e	26.72		1453.2							
	OBS	00060	00.88	33.405	26.79		1452.1							
	OBS	00062	00.52	33.385	26.80		1450.5							
	OBS	00064	00.34	33.477	26.88		1449.8							
	OBS	00068	00.84	33.750	27.07		1452.5							
	OBS	00072	01.94	33.83e	27.07		1457.6							
	STD	00075	01.96	33.88	27.10	00.132	1457.8							
	OBS	00076	02.06	33.91e	27.12		1458.3							
	OBS	00085	05.10	34.27e	27.11		1471.9							
	OBS	00087	05.13	34.275	27.11		1472.0							
	OBS	00091	05.53	34.34e	27.11		1473.8							
	OBS	00097	05.59	34.387	27.14		1474.2							
	STD	00100	05.94	34.43	27.13	00.156	1475.7							
	OBS	00104	06.21	34.47e	27.13		1476.9							
	OBS	00106	06.21	34.475	27.13		1477.0							
	OBS	00110	06.53	34.56e	27.16		1478.4							
	OBS	00116	06.73	34.61e	27.17		1479.4							
	OBS	00118	07.13	34.69e	27.18		1481.1							
	OBS	00121	07.11	34.68e	27.17		1481.1							
	STD	00125	07.36	34.73	27.18	00.179	1482.1							
	OBS	00127	07.48	34.76e	27.18		1482.7							
	OBS	00137	07.39	34.740	27.18		1482.5							
	OBS	00142	06.75	34.62e	27.17		1479.9							
	OBS	00144	06.70	34.61e	27.17		1479.7							
	OBS	00148	06.33	34.56e	27.19		1478.3							
	STD	00150	06.32	34.57	27.19	00.202	1478.3							
	OBS	00150	06.32	34.57e	27.19		1478.3							
	OBS	00152	06.05	34.55e	27.22		1477.2							
	OBS	00161	06.37	34.68e	27.27		1478.8							
	STD	00200	04.83	34.62	27.42	00.242	1473.1							
	STD	00250	03.86	34.55	27.46	00.276	1469.8							
	OBS	00257	03.82	34.53e	27.46		1469.7							
	OBS	00266	03.80	34.54e	27.46		1469.8							
	OBS	00276	04.03	34.61e	27.49		1471.0							
	OBS	00298	04.58	34.73e	27.53		1473.8							
	STD	00300	04.62	34.74	27.53	00.307	1474.0							
	OBS	00304	04.76	34.76e	27.53		1474.7							
	OBS	00327	04.53	34.75e	27.55		1474.1							
	STD	00400	04.69	34.84	27.61	00.364	1476.1							
	OBS	00415	04.83	34.90e	27.64		1477.0							
	OBS	00418	04.87	34.917	27.65		1477.3							
	OBS	00422	04.94	34.93e	27.65		1477.6							
	OBS	00451	04.82	34.94e	27.67		1477.6							
	STD	00500	04.78	34.96	27.69	00.414	1478.3							
	OBS	00500	04.78	34.96e	27.69		1478.3							
	OBS	00552	04.82	34.98e	27.70		1479.3							
	STD	00600	04.69	34.98	27.72	00.461	1479.6							
	OBS	00601	04.69	34.980	27.72		1479.6							
	OBS	00652	04.67	34.99e	27.73		1480.4							
	STD	00700	04.47	34.97	27.73	00.506	1480.3							
	OBS	00700	04.47	34.970	27.73		1480.3							
	OBS	00751	04.42	34.97e	27.74		1481.0							
	STD	00800	04.35	34.97	27.74	00.551	1481.5							
	OBS	00803	04.34	34.967	27.75		1481.5							
	OBS	00850	04.15	34.95e	27.75		1481.5							
	STD	00900	04.05	34.94	27.75	00.595	1481.9							
	OBS	00902	04.05	34.940	27.75		1481.9							
	OBS	00953	03.95	34.93e	27.76		1482.3							
	STD	01000	03.88	34.92	27.76	00.639	1482.8							
	OBS	01001	03.88	34.92e	27.76		1482.8							
	OBS	01075	03.87	34.93e	27.77		1484.0							

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REFID 31 8371 YEAR 1974 BOTDP 02932 AIR TEMP 10.7 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1306
CONSEC 0081 MONTH 07 SHIP EV WET BULB 10.7 24 2 3 WIND-SPD 15 TRACE DIR D 5 SQUARE 2
LAT 43 32.0N DAY 02 DATA USE 1 BAROMETR 1019.9 SEA WIND-FOR DURATION 00.5 2 SQUARE 26
LONG 047 58.0W HOUR 20.8 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 683 1 SQUARE 37

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	08.27	33.00	25.69	00.000	1481.4							
20.8	OBS	00000	08.27	33.000	25.69		1481.4							
	OBS	00007	08.16	32.968	25.68		1481.0							
	STD	00010	07.73	32.95	25.73	00.023	1479.4							
	OBS	00011	07.51	32.946	25.75		1478.5							
	OBS	00015	06.99	32.923	25.81		1476.5							
	OBS	00017	06.04	32.800	25.83		1472.6							
	OBS	00019	04.92	32.850	26.00		1468.1							
	STD	00020	04.78	32.95	26.10	00.044	1467.7							
	OBS	00020	04.58	33.000	26.16		1466.9							
	OBS	00022	03.92	32.970	26.20		1464.2							
	OBS	00024	03.41	33.133	26.38		1462.2							
	OBS	00026	03.12	33.095	26.38		1461.0							
	STD	00030	02.49	33.12	26.45	00.062	1458.3							
	OBS	00030	02.41	33.125	26.46		1458.0							
	OBS	00034	01.90	33.170	26.54		1455.9							
	OBS	00036	01.13	33.160	26.58		1452.5							
	OBS	00038	00.86	33.296	26.70		1451.5							
	OBS	00043	00.30	33.370	26.80		1449.1							
	STD	00050	00.19	33.49	26.90	00.089	1448.9							
	OBS	00051	00.19	33.517	26.92		1449.0							
	OBS	00064	00.63	33.680	27.03		1451.4							
	OBS	00068	00.55	33.660	27.02		1451.1							
	OBS	00072	00.19	33.690	27.06		1449.5							
	STD	00075	00.08	33.70	27.08	00.116	1449.1							
	OBS	00076	00.05	33.710	27.08		1449.0							
	OBS	00087	00.23	33.797	27.15		1450.1							
	STD	00100	00.60	33.91	27.21	00.139	1452.2							
	OBS	00100	00.62	33.912	27.22		1452.3							
	OBS	00106	00.72	33.917	27.21		1452.8							
	STD	00125	01.16	34.12	27.35	00.159	1455.4							
	OBS	00125	01.17	34.120	27.35		1455.4							
	STD	00150	01.31	34.21	27.41	00.177	1456.6							
	OBS	00150	01.32	34.214	27.41		1456.6							
	OBS	00175	02.11	34.377	27.49		1460.8							
	OBS	00178	02.27	34.388	27.48		1461.6							
	OBS	00184	01.83	34.363	27.50		1459.7							
	OBS	00190	01.86	34.370	27.50		1459.9							
	OBS	00199	03.15	34.536	27.52		1465.9							
	STD	00200	03.15	34.53	27.52	00.209	1465.9							
	OBS	00201	03.15	34.540	27.53		1465.9							
	OBS	00220	03.71	34.623	27.54		1468.8							
	OBS	00226	03.38	34.570	27.53		1467.4							
	OBS	00232	03.11	34.560	27.55		1466.3							
	OBS	00236	02.83	34.520	27.54		1465.1							
	OBS	00237	02.77	34.540	27.56		1464.9							
	OBS	00241	03.01	34.580	27.57		1466.1							
	OBS	00245	03.01	34.580	27.57		1466.1							
	OBS	00249	03.83	34.710	27.59		1469.9							
	STD	00250	03.84	34.71	27.59	00.237	1469.9							
	OBS	00251	03.85	34.710	27.59		1470.0							
	OBS	00255	03.85	34.710	27.59		1470.0							
	OBS	00276	04.39	34.810	27.62		1472.8							
	OBS	00281	04.82	34.880	27.62		1474.7							
	STD	00300	04.58	34.86	27.63	00.262	1474.0							
	OBS	00300	04.57	34.860	27.63		1474.0							
	OBS	00350	04.87	34.930	27.66		1476.2							
	STD	00400	04.96	34.96	27.67	00.311	1477.4							
	OBS	00401	04.96	34.960	27.67		1477.4							
	OBS	00451	04.82	34.970	27.69		1477.7							
	STD	00500	04.74	34.97	27.70	00.358	1478.1							
	OBS	00500	04.74	34.970	27.70		1478.2							
	OBS	00550	04.53	34.955	27.71		1478.1							
	STD	00600	04.51	34.97	27.73	00.403	1478.8							
	OBS	00601	04.51	34.970	27.73		1478.9							
	OBS	00651	04.51	34.980	27.74		1479.7							
	STD	00700	04.38	34.97	27.74	00.447	1480.0							
	OBS	00700	04.38	34.970	27.74		1480.0							
	OBS	00750	04.30	34.960	27.74		1480.4							
	STD	00800	04.13	34.95	27.75	00.491	1480.6							
	OBS	00803	04.13	34.950	27.75		1480.6							
	OBS	00850	04.14	34.950	27.75		1481.4							
	STD	00900	04.05	34.94	27.75	00.534	1481.9							
	OBS	00900	04.05	34.940	27.75		1481.9							
	OBS	00951	04.01	34.940	27.76		1482.6							
	STD	01000	03.91	34.93	27.76	00.578	1482.9							
	OBS	01001	03.91	34.930	27.76		1483.0							
	OBS	01029	03.88	34.930	27.76		1483.3							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID 31 8371 YEAR 1974 BOTDP 03200 AIR TEMP 14.7 DIR HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1306
CONSEC 0082 MONTH 07 SHIP EV WET BULB 14.1 22 2 2 WIND-SPD 18 TRACE DIR D 5 SQUARE 2
LAT 43 39.8N DAY 02 DATA USE 1 BAROMETR 1020.0 SEA WIND-FOR DURATION 00.4 2 SQUARE 28
LONG 048 22.5W HOUR 23.8 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 684 1 SQUARE 38

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
23.8	OBS	00009	08.84	32.973	25.58		1483.6							
	STD	00010	08.78	32.95	25.57		1483.4							
	OBS	00013	08.35	32.875	25.58		1481.7							
	STD	00020	07.30	32.97	25.80		1477.9							
	OBS	00020	06.98	32.980	25.85		1476.7							
	OBS	00022	06.16	32.933	25.92		1473.4							
	OBS	00026	04.98	33.073	26.17		1468.8							
	STD	00030	04.47	33.20	26.33		1466.9							
	OBS	00030	04.42	33.200	26.34		1466.7							
	OBS	00032	04.30	33.180	26.33		1466.2							
	OBS	00036	02.83	33.080	26.39		1459.9							
	OBS	00038	02.11	33.310	26.63		1457.1							
	OBS	00040	01.84	33.373	26.70		1456.0							
	OBS	00041	01.77	33.435	26.76		1455.8							
	OBS	00045	01.35	33.400	26.76		1453.9							
	STD	00050	01.02	33.40	26.78		1452.5							
	OBS	00051	00.96	33.415	26.80		1452.3							
	OBS	00059	01.07	33.522	26.88		1453.1							
	OBS	00070	00.39	33.575	26.96		1450.3							
	OBS	00072	00.43	33.585	26.96		1450.5							
	STD	00075	00.27	33.58	26.97		1449.8							
	OBS	00076	00.21	33.578	26.97		1449.5							
	OBS	00079	0.01	33.590	26.99		1448.6							
	OBS	00095	00.81	33.815	27.13		1452.9							
	STD	00100	00.73	33.86	27.16		1452.7							
	OBS	00100	00.71	33.860	27.17		1452.6							
	OBS	00102	00.76	33.865	27.17		1452.9							
	OBS	00106	00.50	33.910	27.22		1451.8							
	OBS	00118	00.73	33.960	27.25		1453.1							
	OBS	00121	01.45	34.070	27.29		1456.6							
	OBS	00123	01.60	34.076	27.29		1457.3							
	STD	00125	01.77	34.10	27.29		1458.1							
	OBS	00129	02.19	34.143	27.29		1460.1							
	OBS	00140	02.08	34.160	27.31		1459.8							
	OBS	00142	02.85	34.290	27.35		1463.3							
	OBS	00148	02.88	34.290	27.35		1463.6							
	STD	00150	02.74	34.27	27.35		1463.0							
	OBS	00150	02.71	34.267	27.35		1462.8							
	OBS	00159	02.73	34.294	27.37		1463.1							
	OBS	00175	02.29	34.325	27.43		1461.5							
	OBS	00177	03.34	34.460	27.44		1466.2							
	OBS	00178	03.35	34.450	27.44		1466.3							
	OBS	00180	02.94	34.415	27.45		1464.5							
	OBS	00188	03.00	34.430	27.45		1464.9							
	OBS	00196	03.49	34.550	27.50		1467.3							
	STD	00200	03.90	34.61	27.50		1469.2							
	OBS	00201	04.04	34.625	27.51		1469.8							
	OBS	00217	03.94	34.610	27.50		1469.6							
	OBS	00226	04.39	34.710	27.54		1471.8							
	STD	00250	03.72	34.67	27.56		1469.4							
	OBS	00251	03.72	34.670	27.57		1469.4							
	OBS	00277	04.39	34.795	27.60		1472.8							
	STD	00300	04.14	34.74	27.59		1472.0							
	OBS	00300	04.13	34.740	27.59		1472.0							
	OBS	00323	03.82	34.757	27.63		1471.1							
	OBS	00329	03.54	34.705	27.62		1469.9							
	OBS	00350	03.82	34.770	27.64		1471.6							
	STD	00400	03.79	34.77	27.65		1472.3							
	OBS	00401	03.78	34.770	27.65		1472.2							
	OBS	00407	03.72	34.770	27.65		1472.1							
	OBS	00411	03.51	34.740	27.65		1471.2							
	OBS	00449	03.93	34.825	27.68		1473.7							
	OBS	00458	03.70	34.795	27.68		1472.9							
	STD	00500	03.75	34.82	27.69		1473.8							
	OBS	00500	03.75	34.820	27.69		1473.8							
	OBS	00550	03.83	34.850	27.71		1475.0							
	STD	00600	03.87	34.86	27.71		1476.0							
	OBS	00601	03.87	34.860	27.71		1476.0							
	OBS	00651	03.88	34.870	27.72		1476.9							
	STD	00700	03.84	34.88	27.73		1477.6							
	OBS	00700	03.84	34.880	27.73		1477.6							
	OBS	00750	03.79	34.880	27.73		1478.2							
	STD	00800	03.74	34.88	27.74		1478.8							
	OBS	00801	03.74	34.880	27.74		1478.8							
	OBS	00852	03.69	34.870	27.74		1479.5							
	STD	00900	03.72	34.88	27.74		1480.4							
	OBS	00900	03.72	34.880	27.74		1480.4							
	OBS	00951	03.72	34.900	27.76		1481.3							
	STD	01000	03.68	34.89	27.75		1481.9							
	OBS	01001	03.68	34.890	27.75		1481.9							
	OBS	01018	03.64	34.890	27.76		1482.1							

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TABLE I. CGC EVERGREEN, April—June 1974—(Continued)

REFID 31 8371	YEAR 1974	BOTOP 01940	AIR TEMP 07.8	DIR HGT PER	WIND-DIR 21	INST STD RECORDER	TEN SQ 1306
CONSEC 0083	MONTH 07	SHIP EV	WET BULB 07.8	21 2 2	WIND-SPD 10	TRACE DIR 0	5 SQUARE 2
LAT 43 48.0N	DAY 03	DATA USE I	BAROMETR 1019.9	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 28
LONG 048 46.4W	HOUR 02.9	AREA 05	CLOUD T/A	CL/TR	WEATHER X4	ORIG 011 685	1 SQUARE 38

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	05.70	32.76	25.84	00.000	1470.9							
02.9	OBS	00003	05.70	32.760	25.84		1471.0							
	OBS	00009	05.71	32.760	25.84		1471.1							
	STD	00010	05.56	32.75	25.85	00.022	1470.5							
	OBS	00013	04.75	32.710	25.91		1467.1							
	STD	00020	03.96	32.88	26.13	00.042	1464.2							
	OBS	00020	03.88	32.890	26.14		1463.9							
	STD	00030	03.55	32.89	26.18	00.061	1462.6							
	OBS	00030	03.42	32.890	26.19		1462.0							
	OBS	00034	02.02	32.970	26.37		1456.1							
	OBS	00036	01.83	33.110	26.50		1455.5							
	OBS	00040	01.78	33.130	26.51		1455.4							
	OBS	00043	00.90	33.140	26.58		1451.5							
	OBS	00049	00.44	33.240	26.69		1449.7							
	STD	00050	00.29	33.25	26.70	00.093	1449.0							
	OBS	00051	- 0.12	33.270	26.74		1447.2							
	STD	00075	- 0.86	33.38	26.86	00.125	1444.3							
	OBS	00076	- 0.88	33.390	26.87		1444.2							
	OBS	00089	- 1.06	33.530	26.99		1443.8							
	STD	00100	- 0.83	33.62	27.05	00.152	1445.2							
	OBS	00100	- 0.61	33.630	27.06		1445.3							
	STD	00125	- 0.22	33.82	27.18	00.176	1448.7							
	OBS	00125	- 0.20	33.820	27.19		1448.8							
	STD	00150	00.53	34.02	27.31	00.197	1452.8							
	OBS	00150	00.54	34.020	27.31		1452.9							
	OBS	00175	00.66	34.067	27.34		1454.0							
	STD	00200	01.29	34.24	27.44	00.233	1457.4							
	OBS	00201	01.32	34.250	27.45		1457.6							
	OBS	00220	01.57	34.340	27.50		1459.1							
	OBS	00226	01.97	34.400	27.52		1461.0							
	STD	00250	02.09	34.46	27.56	00.263	1462.1							
	OBS	00251	02.10	34.460	27.56		1462.1							
	OBS	00277	02.20	34.490	27.57		1463.0							
	STD	00300	02.35	34.54	27.60	00.290	1464.1							
	OBS	00300	02.36	34.540	27.60		1464.2							
	OBS	00350	02.80	34.640	27.64		1467.0							
	STD	00400	03.08	34.70	27.66	00.339	1469.1							
	OBS	00403	03.10	34.700	27.66		1469.3							
	OBS	00451	03.44	34.760	27.67		1471.6							
	STD	00500	03.56	34.80	27.69	00.386	1473.0							
	OBS	00500	03.56	34.800	27.69		1473.0							
	OBS	00552	03.76	34.830	27.70		1474.7							
	STD	00600	03.87	34.86	27.71	00.431	1476.0							
	OBS	00601	03.87	34.860	27.71		1476.0							
	OBS	00652	03.87	34.860	27.73		1476.9							
	STD	00700	03.85	34.88	27.73	00.475	1477.6							
	OBS	00700	03.85	34.880	27.73		1477.6							
	OBS	00750	03.81	34.870	27.72		1478.3							
	STD	00800	03.81	34.88	27.73	00.520	1479.1							
	OBS	00805	03.81	34.880	27.73		1479.2							
	OBS	00852	03.78	34.870	27.73		1479.9							
	STD	00900	03.74	34.87	27.73	00.565	1480.5							
	OBS	00900	03.74	34.870	27.73		1480.5							
	OBS	00951	03.72	34.860	27.73		1481.2							
	STD	01000	03.70	34.89	27.75	00.610	1482.0							
	OBS	01001	03.70	34.890	27.75		1482.0							
	OBS	01029	03.69	34.890	27.75		1482.5							

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TABLE I. CGC EVERGREEN, April–June 1974—(Continued)

REFID 31 8371 YEAR 1974 BOTDP 00374 AIR TEMP 09.8 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1306
CONSEC 0084 MONTH 07 SHIP EV WET BULB 09.8 00 0 X WIND-SPD 15 TRACE DIR 0 5 SQUARE 2
LAT 43 51.4N DAY 03 DATA USE 1 BAROMETR 1019.8 SEA WIND-FOR DURATION 00.1 2 SQUARE 28
LONG 048 59.1W HOUR 04.9 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 686 1 SQUARE 38

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	05.03	32.70	25.87	00.000	1468.1							
04.9	OBS	00001	05.03	32.700	25.87		1468.1							
	OBS	00007	05.05	32.700	25.87		1468.3							
	STD	00010	04.67	32.65	25.88	00.021	1466.7							
	OBS	00011	04.43	32.650	25.90		1465.7							
	OBS	00015	03.73	32.740	26.04		1462.9							
	OBS	00019	03.65	32.770	26.07		1462.7							
	STD	00020	02.93	32.67	26.05	00.042	1459.5							
	OBS	00024	00.57	32.660	26.21		1449.1							
	OBS	00026	00.09	32.880	26.41		1447.2							
	STD	00030	- 0.60	33.02	26.56	00.059	1444.3							
	OBS	00030	- 0.71	33.025	26.57		1443.8							
	OBS	00032	- 1.15	33.015	26.57		1441.7							
	STD	00050	- 1.41	33.22	26.75	00.087	1441.1							
	OBS	00051	- 1.42	33.235	26.76		1441.1							
	OBS	00068	- 1.52	33.310	26.82		1441.0							
	STD	00075	- 1.49	33.31	26.82	00.119	1441.2							
	OBS	00076	- 1.49	33.310	26.82		1441.3							
	STD	00100	- 1.41	33.35	26.85	00.149	1442.1							
	OBS	00100	- 1.40	33.350	26.85		1442.2							
	STD	00125	- 1.03	33.51	26.97	00.178	1444.5							
	OBS	00127	- 0.99	33.527	26.98		1444.8							
	STD	00150	- 0.65	33.65	27.07	00.204	1446.9							
	OBS	00150	- 0.64	33.650	27.07		1446.9							
	OBS	00177	- 0.27	33.750	27.13		1449.2							
	STD	00200	- 0.02	33.82	27.17	00.251	1450.9							
	OBS	00201	00.00	33.820	27.18		1451.0							
	OBS	00226	00.19	33.880	27.21		1452.3							
	STD	00250	00.81	34.11	27.36	00.292	1455.9							
	OBS	00251	00.84	34.115	27.37		1456.0							
	OBS	00277	01.30	34.200	27.40		1458.6							
	STD	00300	01.74	34.33	27.47	00.326	1461.1							
	OBS	00300	01.75	34.330	27.48		1461.2							
	OBS	00350	02.56	34.570	27.60		1465.9							
	OBS	00367	02.80	34.607	27.61		1467.3							

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REFID 31 8371 YEAR 1974 BOTDP 00079 AIR TEMP 09.8 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1306
CONSEC 0085 MONTH 07 SHIP EV WET BULB 09.8 00 0 X WIND-SPD 15 TRACE DIR 0 5 SQUARE 2
LAT 43 55.1N DAY 03 DATA USE 1 BAROMETR 1019.8 SEA WIND-FOR DURATION 00.1 2 SQUARE 28
LONG 049 10.0W HOUR 06.2 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 687 1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	07.98	32.50	25.34	00.000	1479.6							
06.2	OBS	00001	07.98	32.500	25.34		1479.6							
	OBS	00005	07.47	32.400	25.33		1477.6							
	OBS	00009	06.66	32.560	25.57		1474.7							
	STD	00010	06.57	32.57	25.58	00.025	1474.3							
	OBS	00011	06.36	32.577	25.62		1473.5							
	OBS	00015	06.08	32.600	25.67		1472.5							
	OBS	00019	04.85	32.580	25.80		1467.5							
	STD	00020	04.50	32.61	25.86	00.048	1466.1							
	OBS	00020	04.22	32.637	25.91		1464.9							
	OBS	00026	03.13	32.673	26.04		1460.4							
	OBS	00028	02.40	32.750	26.16		1457.4							
	STD	00030	02.08	32.72	26.17	00.068	1456.0							
	OBS	00030	01.97	32.720	26.17		1455.5							
	OBS	00034	01.32	32.770	26.26		1452.7							
	OBS	00038	00.96	32.875	26.36		1451.3							
	STD	00050	00.60	32.94	26.44	00.103	1450.0							
	OBS	00053	00.45	32.963	26.46		1449.4							
	OBS	00072	- 0.83	33.130	26.65		1444.0							
	STD	00075	- 1.01	33.13	26.66	00.140	1443.2							
	OBS	00078	- 1.17	33.205	26.73		1442.7							
	OBS	00083	- 1.34	33.563	27.02		1442.5							
	OBS	00085	- 1.33	33.660	27.10		1442.7							

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REFID 31 8371 YEAR 1974 BOTDP 00042 AIR TEMP 09.8 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1306
CONSEC 0086 MONTH 07 SHIP EV WET BULB 09.8 00 0 X WIND-SPD 15 TRACE DIR D 5 SQUARE 2
LAT 43 57.9N DAY 03 DATA USE 1 BAROMETR 1019.8 SEA WIND-FOR DURATION 00.1 2 SQUARE 28
LONG 049 17.4W HOUR 07.0 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 688 1 SQUARE 39

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	08.50	32.52	25.28	00.000	1481.6							
07.0	OBS	00001	08.50	32.520	25.28		1481.6							
	OBS	00009	08.30	32.570	25.35		1481.1							
	STD	00010	08.19	32.50	25.31	00.027	1480.6							
	OBS	00013	07.47	32.400	25.33		1477.7							
	OBS	00015	05.57	32.615	25.70		1472.1							
	STD	00020	05.53	32.63	25.76	00.051	1470.4							
	OBS	00022	05.19	32.660	25.81		1469.0							
	OBS	00024	04.52	32.690	25.88		1468.0							
	OBS	00026	04.85	32.710	25.90		1467.8							
	STD	00030	02.27	32.74	26.17	00.072	1456.8							
	OBS	00030	02.07	32.755	26.19		1456.0							
	OBS	00032	01.75	32.840	26.28		1454.7							
	OBS	00043	01.52	32.910	26.36		1454.0							
	OBS	00045	01.57	32.915	26.36		1454.3							

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REFID 31 8371 YEAR 1974 BOTDP 00042 AIR TEMP 09.8 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1306
CONSEC 0087 MONTH 07 SHIP EV WET BULB 09.8 00 0 X WIND-SPD 15 TRACE DIR D 5 SQUARE 2
LAT 44 01.5N DAY 03 DATA USE 1 BAROMETR 1019.8 SEA WIND-FOR DURATION 00.1 2 SQUARE 48
LONG 049 25.9W HOUR 07.6 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 689 1 SQUARE 49

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	08.71	32.53	25.25	00.000	1482.4							
07.6	OBS	00003	08.71	32.530	25.25		1482.5							
	OBS	00007	07.43	32.490	25.41		1477.6							
	STD	00010	07.11	32.50	25.46	00.026	1476.4							
	OBS	00015	06.40	32.570	25.61		1473.7							
	OBS	00017	06.14	32.610	25.67		1472.8							
	STD	00020	04.84	32.58	25.80	00.050	1467.5							
	OBS	00022	03.49	32.560	25.92		1461.8							
	OBS	00024	02.52	32.740	26.15		1457.9							
	STD	00030	02.43	32.77	26.18	00.070	1457.6							
	OBS	00030	02.42	32.770	26.18		1457.6							
	OBS	00038	02.38	32.770	26.18		1457.5							
	OBS	00043	02.39	32.784	26.19		1457.7							

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TABLE II. CGC CHASE, March 1974

REFID 31 2396 YEAR 1974 BOTDP 01134 AIR TEMP 01.0 DIR MGT PER WIND-DIR 31 INST NANSEN CAST TEN SQ 1306
CONSEC 0001 MONTH 03 SHIP E1 WET BULB -03.0 31 1 2 WIND-SPD 18 TRACE DIR 5 SQUARE 4
LAT 46 59 N DAY 21 DATA USE 1 BAROMETR 1028.2 SEA WIND-FOR DURATION 2 SQUARE 66
LONG 046 45 W HOUR 12.7 AREA 08 CLOUD T/A 6/6 CL/TR WEATHER X1 CRIG A2 05801 1 SQUARE 66

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNC VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 1.72	34.10	27.47	00.000	1440.0							
12.7	OBS	00000	- 1.72	34.105	27.47		1440.0							
	STD	00010	- 0.61	34.11	27.43 *	00.006	1445.5							
	STD	00020	00.41	34.11	27.39 *	00.013	1450.3							
12.7	OBS	00024	00.70	34.114	27.37		1451.6							
	STD	00030	00.97	34.18	27.41	00.020	1453.0							
12.7	OBS	00048	01.50	34.325	27.49		1455.9							
	STD	00050	01.61	34.33	27.49	00.033	1456.0							
12.7	OBS	00073	01.57	34.376	27.53		1456.7							
	STD	00075	01.63	34.39	27.53	00.047	1457.0							
12.7	OBS	00097	02.04	34.464	27.58		1459.3							
	STD	00100	02.01	34.48	27.58	00.061	1459.2							
	STD	00125	01.77	34.47	27.59	00.074	1458.6							
12.7	OBS	00146	01.65	34.467	27.59		1458.4							
	STD	00150	01.66	34.47	27.59	00.087	1458.6							
	STD	00200	02.02	34.63	27.61	00.112	1461.0							
	STD	00250	02.37	34.59	27.63	00.136	1463.4							
12.7	OBS	00257	02.71	34.647	27.65		1465.8							
	STD	00300	02.74	34.65	27.65	00.160	1465.5							
12.7	OBS	T00358	03.45	34.786	27.69		1470.8							
	STD	00400	03.49	34.79	27.69	00.206	1471.0							
12.7	OBS	00457	04.01	34.887	27.72		1474.9							
	STD	00500	04.01	34.89	27.72	00.250	1475.0							
12.7	OBS	T00555	03.52	34.903	27.74		1476.2							
	STD	00600	03.52	34.90	27.74	00.293	1476.3							
	STD	00700	03.68	34.89	27.74	00.336	1477.7							
12.7	OBS	00790	03.79	34.882	27.74		1478.9							
	STD	00800	03.78	34.88	27.74	00.379	1479.0							
	STD	00900	03.66	34.88	27.75	00.423	1480.2							
12.7	OBS	00991	03.62	34.878	27.75		1481.5							
	STD	01000	03.62	34.88	27.75	00.467	1481.7							
12.7	OBS	T01074	03.63	34.911	27.77		1483.0							

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REFID 31 2396 YEAR 1974 BOTDP 00677 AIR TEMP -01.2 DIR MGT PER WIND-DIR 29 INST NANSEN CAST TEN SQ 1306
CONSEC 0002 MONTH 03 SHIP E1 WET BULB -02.6 29 1 3 WIND-SPD 16 TRACE DIR 5 SQUARE 4
LAT 47 02 N DAY 31 DATA USE 1 BAROMETR 1028.6 SEA WIND-FOR DURATION 2 SQUARE 66
LONG 046 29 W HOUR 14.4 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG A2 05802 1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SNC VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.82	33.47	26.53	00.000	1443.4							
14.4	OBS	00000	- 0.82	33.468	26.93		1443.4							
	STD	00010	- 0.72	33.49	26.94	00.011	1444.0							
	STD	00020	- 0.62	33.52	26.96	00.022	1444.7							
14.4	OBS	00022	- 0.60	33.524	26.96		1444.8							
	STD	00030	00.42	33.69	27.05	00.033	1449.5							
14.4	OBS	00045	01.55	33.912	27.15		1455.7							
	STD	00050	01.58	33.94	27.17	00.052	1455.8							
14.4	OBS	00067	01.56	34.022	27.24		1456.1							
	STD	00075	01.72	34.06	27.26	00.074	1457.0							
14.4	OBS	00089	01.95	34.129	27.30		1458.3							
	STD	00100	02.02	34.17	27.33	00.094	1458.9							
	STD	00125	02.23	34.26	27.38	00.112	1460.3							
14.4	OBS	00134	02.31	34.291	27.40		1460.9							
	STD	00150	02.67	34.38	27.44	00.125	1462.8							
	STD	00200	03.58	34.62	27.55	00.160	1467.8							
	STD	00250	04.14	34.78	27.62	00.186	1471.3							
14.4	OBS	00267	04.26	34.82	27.64		1472.1							
	STD	00300	04.26	34.85	27.66	00.211	1472.7							
14.4	OBS	T00351	04.26	34.88	27.68		1473.6							
	STD	00400	04.16	34.90	27.71	00.256	1474.0							
14.4	OBS	00434	04.08	34.90	27.72		1474.2							
	STD	00500	03.64	34.86	27.74	00.295	1474.3							
14.4	OBS	00511	03.63	34.89	27.74		1474.4							
14.4	OBS	T00571	03.66	34.88	27.72		1475.6							

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REFID 31 2356 YEAR 1974 BOTDP 00336 AIR TEMP -01.2 DIR PGT PER WIND-DIR 29 INST NANSEN CAST TEN SQ 1306
CONSEC 0003 MONTH 03 SHIP E1 WET BULB -02.6 29 1 3 WIND-SPD 16 TRACE DIR 5 SQUARE 4
LAT 47 05 N DAY 31 DATA USE 1 BAROMETR 1028.6 SEA WIND-FOR DURATION 2 SQUARE 66
LONG 046 13 W HOUR 16.2 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG A2 05803 1 SQUARE 76

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.75	33.70	26.97	00.000	1455.4							
16.2	OBS	00000	01.75	33.70	26.97		1455.4							
	STD	00010	01.13	33.70	27.02	00.011	1452.8							
	STD	00020	00.80	33.72	27.05	00.021	1451.5							
16.2	OBS	00025	00.75	33.74	27.07		1451.4							
	STD	00030	00.56	33.78	27.09	00.031	1452.5							
	STD	00050	01.58	33.89	27.14	00.050	1455.7							
16.2	OBS	00050	01.58	33.89	27.14		1455.7							
16.2	OBS	00074	01.81	33.93	27.15		1457.2							
	STD	00075	01.81	33.93	27.15	00.074	1457.2							
16.2	OBS	00099	01.55	33.96	27.17		1458.2							
	STD	00100	01.56	33.96	27.17	00.097	1458.3							
	STD	00128	02.33	34.03	27.19	00.119	1460.4							
16.2	OBS	00148	02.83	34.16	27.25		1463.2							
	STD	00150	02.93	34.19	27.26	00.141	1463.7							
	STD	00200	04.63	34.67	27.48	00.177	1472.3							
16.2	OBS	T00203	04.68	34.69	27.49		1472.6							
	STD	00250	04.37	34.78	27.59	00.206	1472.2							
16.2	OBS	00282	04.16	34.84	27.66		1472.0							

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REFID 31 2396 YEAR 1974 BOTDP 00293 AIR TEMP -00.8 DIR PGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1306
CONSEC 0004 MONTH 03 SHIP E1 WET BULB -02.0 27 2 3 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 47 02 N DAY 31 DATA USE 1 BAROMETR 1028.6 SEA WIND-FOR DURATION 2 SQUARE 64
LONG 045 50 W HOUR 18.1 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG A2 05804 1 SQUARE 75

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	02.10	33.98	27.17	00.000	1457.3							
18.1	OBS	00000	02.10	33.98	27.17		1457.3							
	STD	00010	02.09	33.96	27.16	00.009	1457.4							
	STD	00020	02.08	33.94	27.14	00.018	1457.5							
18.1	OBS	00022	02.08	33.94	27.14		1457.5							
	STD	00030	02.07	33.96	27.16	00.028	1457.6							
18.1	OBS	00044	02.05	33.99	27.18		1457.8							
	STD	00050	02.05	33.99	27.18	00.046	1457.9							
18.1	OBS	00066	02.05	33.99	27.18		1458.2							
	STD	00075	02.08	33.99	27.18	00.068	1458.5							
18.1	OBS	00088	02.11	33.99	27.18		1458.8							
	STD	00100	02.10	34.00	27.18	00.091	1459.0							
	STD	00125	02.07	34.01	27.19	00.113	1459.3							
18.1	OBS	00132	02.06	34.01	27.20		1459.3							
	STD	00150	03.24	34.29	27.32	00.134	1465.1							
18.1	OBS	T00181	04.48	34.62	27.45		1471.3							
	STD	00200	04.49	34.73	27.54	00.168	1471.8							
18.1	OBS	T00225	04.51	34.77	27.57		1472.4							

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REFID 31 2396 YEAR 1974 BOTDP 00320 AIR TEMP -00.8 DIR PGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1306
CONSEC 0005 MONTH 03 SHIP E1 WET BULB -02.0 27 2 3 WIND-SPD 15 TRACE DIR 5 SQUARE 4
LAT 47 09 N DAY 31 DATA USE 1 BAROMETR 1028.6 SEA WIND-FOR DURATION 2 SQUARE 64
LONG 045 50 W HOUR 19.2 AREA 05 CLOUD T/A 6/6 CL/TR WEATHER X1 ORIG A2 05805 1 SQUARE 75

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.68	33.45	26.91	00.000	1444.0							
19.2	CBS	00000	- 0.68	33.45	26.91		1444.0							
	STD	00010	- 0.57	33.49	26.94	00.011	1444.7							
	STD	00020	- 0.36	33.54	26.97	00.023	1445.8							
19.2	CBS	00024	- 0.30	33.56	26.98		1446.3							
	STD	00030	- 0.15	33.59	27.00	00.033	1447.2							
19.2	OBS	00049	00.49	33.72	27.07		1450.6							
	STD	00050	00.56	33.73	27.07	00.054	1450.6							
19.2	CBS	00074	01.67	33.93	27.16		1456.6							
	STD	00075	01.67	33.93	27.16	00.078	1456.6							
19.2	OBS	00098	01.69	34.00	27.20		1458.0							
	STD	00100	01.58	34.02	27.21	00.100	1458.5							
	STD	00125	02.99	34.22	27.29	00.121	1463.5							
19.2	OBS	00148	03.68	34.39	27.36		1467.1							
	STD	00150	03.72	34.41	27.36	00.140	1467.4							
	STD	00200	04.44	34.69	27.52	00.174	1471.6							
19.2	OBS	00202	04.45	34.70	27.52		1471.7							
	STD	00250	04.36	34.80	27.61	00.202	1472.2							
19.2	OBS	T00251	04.35	34.80	27.61		1472.2							

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TABLE II. CGC CHASE, March 1974—(Continued)

REFID 31 2396 YEAR 1974 BOTDP 00283 AIR TEMP -02.0 DIR PGT PER WIND-DIR 21 INST NANSEN CAST TEN SQ 1306
CONSEC 0006 MONTH 04 SHIP E1 WET BULB -03.5 21 1 2 WIND-SPD 10 TRACE DIR 5 SQUARE 4
LAT 47 37 N DAY 01 DATA USE 1 BAROMETR 1027.6 SEA WIND-FOR DURATION 2 SQUARE 64
LONG 045 20 W HOUR 00.3 AREA 05 CLOUD T/A 6/4 CL/TR WEATHER X2 ORIG A2 05806 1 SQUARE 75

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.07	33.70	27.08	CC.CCC	1447.8							
00.3	OBS	00000	00.C7	33.7C	27.08		1447.8							
	STD	00010	00.22	33.71	27.08	C0.010	1448.7							
	STD	00020	00.38	33.72	27.08	00.020	1449.6							
00.3	OBS	00024	00.45	33.73	27.08		1450.0							
	STD	00030	00.56	33.74	27.08	C0.030	1450.6							
00.3	OBS	00048	0C.53	33.79	27.10		1452.6							
	STD	00050	01.00	33.80	27.11	C0.C49	1453.0							
00.3	CBS	00073	01.22	33.93	27.17		1455.5							
	STD	00075	01.24	33.94	27.18	00.073	1456.0							
00.3	OBS	00097	01.43	34.035	27.25		1456.9							
	STD	00100	01.28	34.04	27.26	00.094	1456.7							
	STD	00125	01.18	34.08	27.31	C0.114	1455.4							
00.3	CBS	00146	00.24	34.107	27.36		1454.3							
	STD	00150	01.10	34.15	27.38	00.133	1455.6							
00.3	CBS	00159	03.43	34.575	27.63		1467.2							
	STD	00200	03.44	34.59	27.53	00.165	1467.2							
	STD	00250	03.94	34.79	27.65	C0.191	1470.4							
00.3	CBS	T00272	04.16	34.814	27.64		1471.8							

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REFID 31 2396 YEAR 1974 BOTDP 00430 AIR TEMP -02.0 DIR PGT PER WIND-DIR 17 INST NANSEN CAST TEN SQ 1306
CONSEC 0007 MONTH 04 SHIP E1 WET BULB -03.2 17 1 2 WIND-SPD 08 TRACE DIR 5 SQUARE 4
LAT 48 00 N DAY 01 DATA USE 1 BAROMETR 1025.2 SEA WIND-FOR DURATION 2 SQUARE 64
LONG 045 06 W HOUR 03.4 AREA 05 CLOUD T/A 8/3 CL/TR WEATHER X1 ORIG A2 05807 1 SQUARE 85

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	- 0.36	33.52	26.95	C0.000	1445.6							
03.4	CBS	00000	- 0.36	33.525	26.95		1445.6							
	STD	00010	- 0.58	33.57	27.00	00.011	1444.8							
03.4	CBS	00015	- 0.66	33.567	27.02		1444.5							
	STD	00020	- 0.65	33.59	27.02	00.021	1444.7							
	STD	00030	- 0.62	33.60	27.03	C0.032	1445.0							
	STD	00050	- 0.52	33.64	27.05	C0.CE3	1445.8							
03.4	CBS	00060	- 0.52	33.638	27.05		1445.8							
03.4	OBS	00065	- 0.40	33.685	27.09		1446.7							
	STD	00075	00.68	33.88	27.18	00.076	1452.1							
	STD	00100	02.56	34.24	27.34	C0.097	1461.3							
03.4	CBS	00100	02.56	34.238	27.34		1461.3							
	STD	00125	02.64	34.35	27.42	00.115	1462.2							
	STD	00150	02.73	34.47	27.51	C0.131	1463.2							
03.4	OBS	00150	02.73	34.467	27.51		1463.2							
	STD	00200	03.52	34.72	27.60	00.159	1469.4							
03.4	CBS	T00205	04.00	34.741	27.60		1469.5							
	STD	00250	04.12	34.81	27.64	00.184	1471.2							
	STD	00300	C4.18	34.E4	27.68	C0.207	1472.4							
03.4	CBS	00305	04.18	34.861	27.68		1472.4							
03.4	OBS	C0365	04.C7	34.880	27.70		1473.3							

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REFID 31 2396 YEAR 1974 BOTDP 00551 AIR TEMP 00.8 DIR PGT PER WIND-DIR 17 INST NANSEN CAST TEN SQ 1306
CONSEC 0008 MONTH 04 SHIP E1 WET BULB -00.6 17 1 2 WIND-SPD 16 TRACE DIR 5 SQUARE 4
LAT 48 28 N DAY 01 DATA USE 1 BAROMETR 1022.3 SEA WIND-FOR DURATION 2 SQUARE 64
LONG 045 04 W HOUR 07.6 AREA 05 CLOUD T/A 0/3 CL/TR WEATHER X1 ORIG A2 05808 1 SQUARE 85

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	01.83	34.45	27.57	CC.CCC	1456.8							
07.6	CBS	00000	01.83	34.45	27.57		1456.8							
	STD	00010	01.E3	34.45	27.57	C0.005	1457.0							
	STD	00020	01.84	34.45	27.57	CC.011	1457.1							
07.6	CBS	00020	01.E4	34.45	27.57		1457.1							
	STD	00030	01.88	34.46	27.57	CC.C1E	1457.5							
07.6	OBS	00042	01.52	34.46	27.57		1457.9							
	STD	00050	01.53	34.46	27.57	C0.027	1458.0							
07.6	OBS	00066	01.54	34.46	27.57		1458.3							
	STD	00075	01.55	34.46	27.57	C0.040	1458.5							
07.6	OES	00090	01.56	34.46	27.56		1458.8							
	STD	00100	01.56	34.46	27.56	00.053	1459.0							
	STD	00125	01.55	34.46	27.56	C0.C67	1459.4							
07.6	CBS	00132	01.55	34.46	27.57		1459.5							
	STD	00150	01.57	34.46	27.57	C0.080	1459.9							
07.6	OBS	00175	01.59	34.47	27.57		1460.4							
	STD	00200	02.87	34.62	27.62	00.106	1464.8							
07.6	OBS	00247	03.50	34.81	27.67		1470.2							
	STD	00250	03.51	34.81	27.67	CC.130	1470.3							
	STD	C0300	03.99	34.85	27.69	00.152	1471.6							
07.6	CBS	00313	C4.00	34.86	27.70		1471.8							
07.6	CBS	00380	03.59	34.88	27.71		1472.9							
	STD	C0400	03.54	34.85	27.71	C0.196	1473.0							
07.6	CBS	00440	03.86	34.87	27.72		1473.3							
	STD	C0500	03.61	34.88	27.73	00.238	1474.2							
07.6	OBS	T00555	03.75	34.6E	27.74		1474.8							
	STD	C0600	03.69	34.88	27.74	00.280	1475.3							
07.6	OBS	TC0610	03.67	34.88	27.75		1475.4							

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TABLE II. CGC CHASE, March 1974—(Continued)

REFID 31 2396	YEAR 1974	BOTOP 01271	AIR TEMP 01.0	DIR PGT PER	WIND-DIR 14	INST NANSEN CAST	TEN SQ 1306
CONSEC 0009	MONTH 04	SHIP EI	WET BULB 00.0	14 3 3	WIND-SPD 19	TRACE DIR	5 SQUARE 4
LAT 48 49 N	DAY 01	DATA USE 1	BAROMETR 1018.5	SEA	WIND-FOR	DURATION	2 SQUARE 84
LONG 045 02 W	HOUR 10.8	AREA 05	CLOUD T/A 3/8	CL/TR	WEATHER X2	ORIG A2 05809	1 SQUARE 85

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	DXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	00.75	34.06	27.33	00.000	1451.4							
10.8	OBS	00000	00.75	34.06	27.33		1451.4							
	STD	00010	00.78	34.06	27.34	00.008	1451.7							
10.8	OBS	00013	00.79	34.08	27.34		1451.8							
	STD	00020	00.83	34.08	27.34	00.015	1452.1							
	STD	00030	00.94	34.11	27.36	00.022	1452.8							
10.8	OBS	00030	00.94	34.11	27.36		1452.8							
10.8	OBS	00043	01.15	34.20	27.41		1454.1							
	STD	00050	01.50	34.30	27.47	00.036	1455.5							
10.8	OBS	00060	01.88	34.40	27.52		1457.5							
	STD	00075	02.05	34.45	27.55	00.051	1459.0							
10.8	OBS	00090	02.21	34.49	27.57		1460.0							
	STD	00100	02.30	34.51	27.58	00.064	1460.6							
	STD	00125	02.50	34.56	27.60	00.077	1461.5							
10.8	OBS	00125	02.50	34.56	27.60		1461.5							
	STD	00150	02.56	34.60	27.63	00.089	1462.6							
10.8	OBS	00190	02.78	34.66	27.66		1464.3							
	STD	00200	02.82	34.68	27.66	00.113	1465.1							
	STD	00250	03.46	34.76	27.67	00.136	1466.4							
10.8	OBS	T00255	03.50	34.77	27.68		1468.6							
	STD	00300	03.68	34.81	27.69	00.158	1470.2							
10.8	OBS	00321	03.75	34.83	27.70		1470.9							
10.8	OBS	T00366	03.94	34.87	27.71		1472.8							
	STD	00400	03.94	34.87	27.71	00.201	1473.0							
	STD	00500	03.89	34.89	27.73	00.244	1474.5							
10.8	OBS	00520	03.88	34.86	27.73		1474.8							
	STD	00600	03.81	34.89	27.74	00.286	1475.8							
10.8	OBS	T00657	03.68	34.88	27.75		1476.9							

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TABLE III. CGC SHERMAN, October 1974

REFID 31 8407	YEAR 1974	BCTDP 05218	AIR TEMP 19.4	DIR PGT PER	WIND-DIR 24	INST STD RECORDER	TEN SQ 1207
CONSEC 0001	MONTH 10	SHIP 1H	WET BULB 17.8	20 1 M	WIND-SPD 08	TRACE CIR D	5 SQUARE 3
LAT 39 58 N	DAY 13	DATA USE I	BAROMETR 0990.2	SEA	WIND-FOR	DURATION 00.8	2 SQUARE 80
LONG 050 30 W	HOUR 19.9	AREA 05	CLOUD T/A	CL/TH	WEATHER X1	ORIG A4 03001	1 SQUARE 90

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	23.01	35.83	24.58	00.000	1530.9							
19.9	OBS	00000	23.01	35.83	24.58		1530.9							
	STD	00010	22.99	35.83	24.59	00.034	1531.1							
	OBS	00010	22.99	35.83	24.59		1531.1							
	STD	00020	22.99	35.83	24.59	00.067	1531.2							
	OBS	00020	22.99	35.83	24.59		1531.2							
	STD	00030	22.99	35.83	24.59	00.101	1531.4							
	OBS	00030	22.99	35.83	24.59		1531.4							
	STD	00050	21.02	36.50	25.65	00.158	1527.4							
	OBS	00050	21.02	36.50	25.65		1527.4							
	STD	00075	19.76	36.48	25.97	00.214	1524.4							
	OBS	00075	19.76	36.48	25.97		1524.4							
	OBS	00090	19.12	36.44	26.11		1522.9							
	STD	00100	18.70	36.45	26.22	00.263	1521.9							
	OBS	00100	18.70	36.45	26.22		1521.9							
	OBS	00105	18.45	36.43	26.27		1521.3							
	STD	00125	18.32	36.44	26.31	00.308	1521.2							
	OBS	00125	18.32	36.44	26.31		1521.2							
	STD	00150	17.80	36.38	26.40	00.351	1520.0							
	OBS	00150	17.80	36.38	26.40		1520.0							
	STD	00200	17.41	36.39	26.50	00.434	1519.7							
	OBS	00200	17.41	36.39	26.50		1519.7							
	OBS	00211	17.44	36.41	26.51		1520.0							
	STD	00250	16.76	36.31	26.59	00.512	1518.5							
	OBS	00250	16.76	36.31	26.59		1518.5							
	STD	00300	15.95	36.16	26.66	00.588	1516.8							
	OBS	00300	15.99	36.16	26.66		1516.8							
	STD	00400	14.09	35.84	26.83	00.725	1512.1							
	OBS	00400	14.09	35.84	26.83		1512.1							
	OBS	00430	13.79	35.79	26.86		1511.5							
	OBS	00449	13.62	35.82	26.88		1512.0							
	OBS	00469	12.84	35.62	26.92		1508.8							
	OBS	00479	12.91	35.68	26.96		1509.3							
	STD	00500	12.58	35.64	26.99	00.857	1508.5							
	OBS	00500	12.58	35.64	26.99		1508.5							
	STD	00600	10.20	35.28	27.15	00.970	1501.3							
	OBS	00600	10.20	35.28	27.15		1501.3							
	STD	00700	08.26	35.13	27.36	01.066	1495.6							
	CBS	00700	08.26	35.13	27.36		1495.6							
	CBS	00749	07.61	35.10	27.43		1493.5							
	STD	00800	06.62	35.04	27.53	01.143	1490.8							
	OBS	00800	06.62	35.044	27.53		1490.8							
	CBS	00884	05.97	35.050	27.62		1489.3							
	OBS	00884	05.89	35.070	27.64		1489.3							
	STD	00900	05.68	35.05	27.66	01.206	1488.7							
	OBS	00900	05.68	35.053	27.66		1488.7							
	OBS	00924	05.43	35.023	27.66		1488.1							
	STD	01000	05.14	35.02	27.70	01.261	1488.1							
	OBS	01000	05.14	35.020	27.70		1488.1							
	OBS	01052	04.40	34.913	27.70		1485.8							
	STD	01100	04.81	35.02	27.73	01.312	1488.5							
	OBS	01100	04.81	35.020	27.73		1488.5							
	STD	01200	04.56	35.00	27.75	01.361	1489.1							
	CBS	01200	04.56	35.005	27.75		1489.1							
	CBS	01240	04.46	34.990	27.75		1489.3							
	OBS	01264	04.14	34.940	27.75		1488.3							
	OBS	01283	04.46	35.010	27.77		1490.0							
	STD	01300	04.43	35.00	27.76	01.410	1490.2							
	OBS	01300	04.43	35.002	27.76		1490.2							
	OBS	01342	04.24	34.980	27.77		1490.1							
	STD	01400	04.28	35.00	27.78	01.457	1491.3							
	OBS	01400	04.28	35.000	27.78		1491.3							
	OBS	01483	04.12	34.990	27.79		1492.0							
	STD	01500	04.01	34.97	27.78	01.504	1491.8							
	OBS	01500	04.01	34.970	27.78		1491.8							

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REFID 31 8407	YEAR 1974	BOTCP 03877	AIR TEMP 20.1	DIR PGT PER	WIND-DIR 19	INST STD RECORDER	TEN SQ 1307
CONSEC 0002	MONTH 10	SHIP IM	WET BULB 17.3	19 0 2	WIND-SPC 12	TRACE DIR D	5 SQUARE 1
LAT 40 54 N	DAY 14	DATA USE 1	BAROMETR 1023.7	SEA	WIND-FOR	DURATION 00.7	2 SQUARE 00
LONG 050 30 W	HOUR 02.2	AREA CS	CLOUD T/A	CL/TR	WEATHER X1	ORIG A4 03002	1 SQUARE 00

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	22.11	35.66	24.71	00.000	1528.5							
02.2	OBS	00000	22.11	35.66	24.71		1528.5							
	STD	00010	22.11	35.67	24.71	00.032	1528.7							
	OBS	00010	22.11	35.67	24.71		1528.7							
	STD	00020	22.11	35.67	24.71	00.065	1528.8							
	OBS	00020	22.11	35.67	24.71		1528.8							
	STD	00030	22.44	35.82	24.74	00.097	1530.0							
	OBS	00030	22.44	35.82	24.74		1530.0							
	STD	00050	19.40	36.27	25.91	00.151	1522.8							
	OBS	00050	19.40	36.27	25.91		1522.8							
	STD	00075	18.56	36.34	26.17	00.201	1520.9							
	OBS	00075	18.56	36.34	26.17		1520.9							
	STD	00100	17.91	36.38	26.37	00.246	1519.5							
	OBS	00100	17.91	36.38	26.37		1519.5							
	STD	00125	16.75	36.14	26.47	00.287	1516.2							
	OBS	00125	16.75	36.14	26.47		1516.2							
	STD	00150	16.22	36.09	26.55	00.326	1515.0							
	OBS	00150	16.22	36.09	26.55		1515.0							
	STD	00200	14.81	35.89	26.72	00.400	1511.2							
	OBS	00200	14.81	35.89	26.72		1511.2							
	OBS	00209	14.93	35.91	26.71		1511.7							
	OBS	00218	14.93	35.93	26.72		1511.9							
	STD	00250	14.06	35.75	26.77	00.469	1509.4							
	OBS	00250	14.06	35.75	26.77		1509.4							
	OBS	00262	14.12	35.80	26.80		1509.6							
	OBS	00270	13.70	35.71	26.82		1508.5							
	OBS	00281	13.62	35.77	26.84		1509.1							
	OBS	00294	13.45	35.69	26.85		1508.0							
	STD	00300	13.60	35.75	26.87	00.535	1508.7							
	OBS	00300	13.60	35.75	26.87		1508.7							
	STD	00400	11.40	35.43	27.05	00.654	1502.5							
	OBS	00400	11.40	35.43	27.05		1502.5							
	STD	00500	09.06	35.16	27.25	00.756	1495.3							
	OBS	00500	09.06	35.16	27.25		1495.3							
	STD	00600	07.23	35.06	27.45	00.839	1489.9							
	OBS	00600	07.23	35.06	27.45		1489.9							
	STD	00700	06.34	35.06	27.58	00.908	1488.0							
	OBS	00700	06.34	35.06	27.58		1488.0							
	STD	00800	05.42	35.02	27.66	00.966	1486.0							
	OBS	00800	05.42	35.020	27.66		1486.0							
	OBS	00844	05.15	35.010	27.69		1485.6							
	STD	00900	05.11	35.03	27.71	01.018	1486.4							
	OBS	00900	05.11	35.033	27.71		1486.4							
	OBS	00954	04.52	35.030	27.73		1486.5							
	OBS	00963	04.57	35.044	27.73		1486.5							
	OBS	00988	04.57	35.044	27.73		1487.3							
	STD	01000	04.51	35.02	27.72	01.068	1487.2							
	OBS	01000	04.91	35.024	27.73		1487.2							
	OBS	01006	04.60	35.022	27.74		1486.9							
	STD	01100	04.54	35.01	27.76	01.117	1487.3							
	OBS	01100	04.54	35.010	27.76		1487.3							
	STD	01200	04.35	35.00	27.77	01.163	1488.2							
	OBS	01200	04.35	35.000	27.77		1488.2							
	OBS	01243	04.24	34.982	27.77		1488.4							
	OBS	01253	04.12	34.954	27.76		1488.1							
	OBS	01292	04.13	34.970	27.77		1488.8							
	STD	01300	04.01	34.95	27.77	01.209	1488.4							
	OBS	01300	04.01	34.950	27.77		1488.4							
	STD	01400	03.88	34.94	27.78	01.255	1489.4							
	OBS	01400	03.86	34.944	27.78		1489.4							
	STD	01500	03.82	34.94	27.78	01.302	1490.9							
	OBS	01500	03.82	34.940	27.78		1490.9							

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TABLE III. CGC SHERMAN, October 1974—(Continued)

REFID 31 8407 | YEAR 1974 | BOTDP 03556 | AIR TEMP 18.9 | DIR PGT PER | WIND-DIR 33 | LAST STC RECORDER | TEN SQ 1307
CONSEC 8003 | MONTH 10 | SHIP 1M | WET BULB 17.8 | 30 1 3 | WIND-SPD 10 | TRACE DIR D | 5 SQUARE 1
LAT 41 20 N | DAY 14 | DATA USE 1 | BAROMETR 1024.0 | SEA | WIND-FOR | DURATION 00.8 | 2 SQUARE 00
LONG 050 20 W | HOUR 07.0 | AREA 05 | CLOUD T/A | CL/TR | WEATHER X1 | ORIG A4 03003 | 1 SQUARE 10

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	20.34	35.20	24.84	00.000	1523.3							
07.0	OBS	00000	20.34	35.20	24.84		1523.3							
	STD	00010	20.32	35.20	24.85	00.031	1523.4							
	OBS	00010	20.32	35.20	24.85		1523.4							
	STD	00020	20.20	35.18	24.87	00.062	1523.2							
	OBS	00020	20.20	35.18	24.87		1523.2							
	STD	00030	20.15	35.16	24.86	00.093	1523.2							
	OBS	00030	20.15	35.16	24.86		1523.2							
	STD	00050	16.67	35.62	26.04	00.144	1514.7							
	OBS	00050	16.67	35.62	26.04		1514.7							
	STD	00075	15.64	35.85	26.46	00.189	1512.3							
	OBS	00075	15.64	35.85	26.46		1512.3							
	STD	00100	15.29	35.91	26.63	00.228	1511.1							
	OBS	00100	15.29	35.91	26.63		1511.1							
	STD	00125	14.66	35.83	26.70	00.263	1509.4							
	OBS	00125	14.66	35.83	26.70		1509.4							
	STD	00150	14.07	35.73	26.75	00.297	1507.8							
	OBS	00150	14.07	35.73	26.75		1507.8							
	STD	00200	13.40	35.66	26.84	00.363	1506.3							
	OBS	00200	13.40	35.66	26.84		1506.3							
	STD	00250	12.51	35.54	26.93	00.428	1504.0							
	OBS	00250	12.51	35.54	26.93		1504.0							
	STD	00300	11.11	35.38	27.07	00.482	1499.8							
	OBS	00300	11.11	35.38	27.07		1499.8							
	STD	00400	09.18	35.17	27.24	00.581	1494.2							
	CBS	00400	09.18	35.17	27.24		1494.2							
	STD	00500	07.53	35.07	27.42	00.665	1489.4							
	CBS	00500	07.53	35.07	27.42		1489.4							
	STD	00600	06.16	35.03	27.58	00.733	1485.6							
	CBS	00600	06.16	35.03	27.58		1485.6							
	STD	00700	05.55	35.02	27.65	00.791	1484.8							
	OBS	00700	05.55	35.02	27.65		1484.8							
	STD	00800	05.04	35.02	27.71	00.843	1484.4							
	OBS	00800	05.04	35.020	27.71		1484.4							
	STD	00900	04.78	35.01	27.73	00.892	1485.0							
	OBS	00900	04.78	35.010	27.73		1485.0							
	STD	01000	04.61	35.01	27.75	00.939	1486.0							
	CBS	01000	04.61	35.010	27.75		1486.0							
	STD	01100	04.44	35.00	27.76	00.986	1486.9							
	OBS	01100	04.44	35.000	27.76		1486.9							
	STD	01200	04.31	34.99	27.77	01.032	1488.0							
	OBS	01200	04.31	34.995	27.77		1488.0							
	STD	01300	04.19	34.99	27.78	01.078	1489.2							
	OBS	01300	04.19	34.990	27.78		1489.2							
	STD	01400	04.09	34.99	27.79	01.123	1490.5							
	CBS	01400	04.09	34.991	27.79		1490.5							
	STD	01500	03.96	34.99	27.80	01.168	1491.6							
	CBS	01500	03.96	34.990	27.80		1491.6							

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REFID 31 8407	YEAR 1974	BOTDP 03682	AIR TEMP 15.0	DIR HGT PER	WIND-DIR 12	INST STD RECORDER	TEN SQ 1307
CONSEC 0004	MONTH 10	SHIP 1H	WET BULB 13.9	02 2 3	WIND-SPD 10	TRACE DIR D	5 SQUARE 1
LAT 41 49 N	DAY 14	DATA USE 1	BAROMETR 1026.8	SEA	WIND-FOR	DURATION 00.6	2 SQUARE 00
LONG 050 20 W	HOUR 11.4	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG A4 03004	1 SQUARE 10

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	C0000	21.C8	35.37	24.77	C0.000	1525.5							
11.4	CBS	00000	21.08	35.37	24.77		1225.5							
	STD	00010	21.CE	35.37	24.77	00.032	1E25.6							
	CBS	00010	21.C8	35.37	24.77		1E25.6							
	STD	00020	21.08	35.37	24.77	00.064	1525.8							
	OBS	00020	21.CE	35.37	24.77		1525.8							
	STD	00030	21.09	35.38	24.78	CC.C96	1526.0							
	OBS	00030	21.C9	35.38	24.78		1526.0							
	STD	00050	17.51	36.14	26.28	C0.14E	1517.3							
	CBS	00050	17.51	36.14	26.28		1517.3							
	OBS	00058	17.21	36.07	26.30		1516.4							
	CBS	00069	17.30	36.21	26.39		1517.0							
	STD	00075	17.21	36.25	26.44	00.188	1516.9							
	CBS	00075	17.21	36.28	26.44		1516.9							
	STD	00100	15.77	35.99	26.58	00.227	1512.7							
	OBS	C0100	15.77	35.99	26.58		1512.7							
	STD	00125	14.75	35.81	26.67	C0.263	1EC9.6							
	OBS	00125	14.75	35.81	26.67		1509.6							
	CBS	C0130	14.91	35.92	26.72		1510.4							
	STD	00150	14.42	35.79	26.72	00.298	1509.0							
	CBS	00150	14.42	35.79	26.72		1509.0							
	STD	00200	13.43	35.68	26.85	00.364	1506.4							
	OBS	00200	13.43	35.68	26.85		1506.4							
	STD	00250	12.57	35.60	26.96	C0.425	1EC4.3							
	OBS	00250	12.57	35.60	26.96		1504.3							
	STD	C0300	11.38	35.42	27.05	00.481	1500.8							
	OBS	00300	11.38	35.42	27.05		1EC0.8							
	STD	C0400	09.18	35.19	27.26	00.681	1494.2							
	OBS	C0400	C9.18	35.19	27.26		1494.2							
	STD	00500	C7.45	35.06	27.42	00.664	1489.1							
	OBS	CC500	C7.45	35.06	27.42		1489.1							
	STD	C0600	06.08	35.03	27.59	C0.732	1485.3							
	OBS	C0600	06.08	35.03	27.59		1485.3							
	STD	0C700	05.42	35.02	27.66	C0.788	1484.3							
	OBS	00700	05.42	35.02	27.66		1484.3							
	STD	C0800	05.C7	35.03	27.71	00.839	1484.5							
	OBS	00800	05.07	35.030	27.71		1484.5							
	STD	C09C0	04.78	35.02	27.74	C0.887	1485.0							
	OBS	00900	04.78	35.020	27.74		1485.0							
	STD	01000	04.55	35.01	27.76	C0.934	1485.7							
	OBS	01000	04.55	35.010	27.76		1485.7							
	STD	01100	04.41	35.00	27.76	00.975	1486.8							
	CBS	01100	04.41	35.000	27.76		1486.8							
	STD	01200	04.27	34.99	27.77	01.025	1487.9							
	OBS	01200	04.27	34.991	27.77		1487.9							
	STD	C1300	C4.15	34.99	27.78	01.071	1489.0							
	CBS	01300	04.15	34.991	27.78		1489.0							
	STD	014C0	04.07	34.99	27.79	01.116	1490.4							
	OBS	01400	04.07	34.991	27.79		1490.4							
	STD	01500	03.96	34.98	27.80	C1.161	1491.6							
	OBS	01500	03.96	34.981	27.80		1491.6							

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REFID 31 8407	YEAR 1974	BOTDP 02630	AIR TEMP 12.8	DIR HGT PER	WIND-DIR 04	INST STD RECORDER	TEN SQ 1307
CONSEC 0008	MONTH 10	SHIP 1H	WET [illegible] 11.1	03 1 2	WIND-SPD 08	TRACE DIR D	5 SQUARE 1
LAT 42 11 N	DAY 14	DATA USE 1	[redacted] 1027.4	SEA	WIND-FOR	DURATION 00.4	2 SQUARE 20
LONG 050 19 W	HOUR 15.2	AREA 05	CLCL A	CL/TP	WEATHER X2	ORIG A4 03005	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	16.27	33.53	24.58	00.000	1509.6							
15.2	OBS	00000	16.27	33.53	24.58		1509.6							
	STD	00010	16.14	33.56	24.63	00.033	1509.4							
	OBS	00010	16.14	33.56	24.63		1509.4							
	STD	00020	15.81	33.85	24.93	00.065	1508.9							
	OBS	00020	15.81	33.85	24.93		1508.9							
	STD	00030	15.57	35.34	26.12	00.090	1510.1							
	OBS	00030	15.57	35.34	26.12		1510.1							
	STD	00050	13.22	35.16	26.49	00.125	1502.6							
	OBS	00050	13.22	35.16	26.49		1502.6							
	STD	00075	14.00	35.58	26.65	00.162	1506.1							
	OBS	00075	14.00	35.58	26.65		1506.1							
	OBS	00082	13.75	35.51	26.65		1505.3							
	OBS	00087	13.99	35.57	26.65		1506.3							
	OBS	00094	13.96	35.65	26.72		1506.4							
	STD	00100	14.04	35.72	26.75	00.196	1506.8							
	OBS	00100	14.04	35.72	26.75		1506.8							
	STD	00125	13.52	35.66	26.82	00.229	1505.5							
	OBS	00125	13.52	35.66	26.82		1505.5							
	STD	00150	13.01	35.61	26.88	00.260	1504.1							
	OBS	00150	13.01	35.61	26.88		1504.1							
	OBS	00181	12.60	35.59	26.91		1503.9							
	STD	00200	11.45	35.30	26.94	00.320	1499.2							
	OBS	00200	11.45	35.30	26.94		1499.2							
	OBS	00210	11.14	35.22	26.94		1498.2							
	OBS	00221	11.69	35.44	27.01		1500.6							
	STD	00250	10.97	35.35	27.07	00.376	1498.4							
	OBS	00250	10.97	35.35	27.07		1498.4							
	STD	00300	09.89	35.23	27.17	00.427	1495.2							
	OBS	00300	09.89	35.23	27.17		1495.2							
	STD	00400	08.21	35.10	27.33	00.517	1490.8							
	OBS	00400	08.21	35.10	27.33		1490.8							
	STD	00500	06.76	35.05	27.51	00.592	1486.4							
	OBS	00500	06.76	35.05	27.51		1486.4							
	STD	00600	05.55	35.05	27.62	00.653	1484.8							
	OBS	00600	05.55	35.05	27.62		1484.8							
	STD	00700	05.46	35.05	27.68	00.707	1484.5							
	OBS	00700	05.46	35.05	27.68		1484.5							
	STD	00800	04.98	35.02	27.72	00.756	1484.2							
	OBS	00800	04.98	35.024	27.72		1484.2							
	STD	00900	04.76	35.03	27.75	00.804	1484.9							
	OBS	00900	04.76	35.030	27.75		1484.9							
	OBS	00938	04.67	35.024	27.75		1485.1							
	OBS	00951	04.75	35.050	27.77		1485.8							
	STD	01000	04.62	35.02	27.76	00.850	1486.0							
	OBS	01000	04.62	35.020	27.76		1486.0							
	OBS	01052	04.43	35.000	27.76		1486.1							
	OBS	01084	04.44	35.002	27.76		1486.6							
	STD	01100	04.39	34.99	27.76	00.896	1486.7							
	OBS	01100	04.39	34.990	27.76		1486.7							
	STD	01200	04.24	34.99	27.77	00.942	1487.7							
	OBS	01200	04.24	34.991	27.77		1487.7							
	STD	01300	04.13	34.99	27.79	00.987	1489.0							
	OBS	01300	04.13	34.990	27.79		1489.0							
	OBS	01360	04.12	34.992	27.79		1489.9							
	STD	01400	04.04	34.98	27.79	01.032	1490.2							
	OBS	01400	04.04	34.984	27.79		1490.2							
	STD	01500	03.98	34.99	27.80	01.077	1491.7							
	OBS	01500	03.98	34.990	27.80		1491.7							

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REFID 31 8407	YEAR 1974	BOTDP 02019	AIR TEMP 11.7	DIR HGT PER	WIND-DIR 03	INST STC RECORDER	TEN SQ 1307
CONSEC 0006	MONTH 10	SHIP 1F	WET BULB 10.6	?2 1 2	WIND-SPD 08	TRACE DIR 0	5 SQUARE 1
LAT 42 29 N	DAY 14	DATA USE 1	BARCMETR 1028.4	SEA	WIND-FOR	DURATION 00.3	2 SQUARE 20
LONG 050 20 W	HOUR 18.0	AREA 05	CLOUD T/A	CL/TR	WEATHER X1	ORIG A4 03006	1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	[illegible]	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	15.00	32.98	24.44	00.000	1504.9							
18.0	OBS	00000	15.00	32.98	24.44		1504.9							
	STD	00010	15.15	33.14	24.53	00.035	1505.8							
	OBS	00010	15.15	33.14	24.53		1505.8							
	STD	00020	11.15	33.68	25.74	00.063	1493.2							
	OBS	00020	11.15	33.68	25.74		1493.2							
	OBS	00023	10.83	33.86	25.94		1492.3							
	OBS	00026	11.00	34.28	26.23		1493.5							
	STD	00030	11.80	34.77	26.47	00.082	1497.0							
	OBS	00030	11.80	34.77	26.47		1497.0							
	STD	00050	12.93	35.33	26.68	00.112	1501.9							
	OBS	00050	12.93	35.33	26.68		1501.9							
	OBS	00054	12.87	35.31	26.68		1501.7							
	OBS	00066	13.79	35.68	26.77		1505.4							
	STD	00075	13.73	35.65	26.76	00.146	1505.3							
	OBS	00075	13.73	35.65	26.76		1505.3							
	OBS	00078	13.93	35.74	26.79		1506.1							
	STD	00100	13.41	35.66	26.84	00.178	1504.7							
	OBS	00100	13.41	35.66	26.84		1504.7							
	OBS	00109	13.01	35.62	26.89		1503.5							
	STD	00125	12.78	35.55	26.88	00.208	1502.9							
	OBS	00125	12.78	35.55	26.88		1502.9							
	STD	00150	12.41	35.53	26.94	00.238	1502.0							
	OBS	00150	12.41	35.53	26.94		1502.0							
	STD	00200	08.83	34.93	27.11	00.292	1489.3							
	OBS	00200	08.83	34.93	27.11		1489.3							
	OBS	00225	07.29	34.65	27.12		1483.4							
	OBS	00240	08.34	34.90	27.16		1488.0							
	STD	00250	08.91	35.05	27.19	00.341	1490.5							
	OBS	00250	08.91	35.05	27.19		1490.5							
	OBS	00260	09.32	35.16	27.21		1492.4							
	OBS	00281	08.17	34.96	27.24		1488.1							
	OBS	00294	08.45	35.08	27.29		1489.6							
	STD	00300	08.42	35.07	27.28	00.386	1489.5							
	OBS	00300	08.42	35.07	27.28		1489.5							
	OBS	00320	08.13	35.06	27.32		1488.8							
	OBS	00331	07.74	34.98	27.32		1487.3							
	OBS	00351	07.67	35.00	27.43		1485.1							
	OBS	00367	07.13	35.06	27.47		1485.7							
	OBS	00377	07.05	35.05	27.47		1485.5							
	STD	00400	06.95	35.08	27.51	00.461	1485.5							
	OBS	00400	06.95	35.08	27.51		1485.5							
	OBS	00437	06.76	35.09	27.54		1485.4							
	OBS	00456	06.51	35.07	27.56		1484.7							
	OBS	00469	06.27	35.04	27.57		1483.9							
	STD	00500	06.23	35.05	27.58	00.523	1484.3							
	OBS	00500	06.23	35.05	27.58		1484.3							
	OBS	00566	03.52	34.71	27.63		1473.8							
	OBS	00581	03.49	34.72	27.64		1473.9							
	STD	00600	03.33	34.71	27.64	00.577	1473.5							
	OBS	00600	03.33	34.71	27.64		1473.5							
	OBS	00615	03.28	34.72	27.66		1473.6							
	OBS	00625	03.24	34.75	27.68		1474.0							
	STD	00700	03.33	34.76	27.68	00.626	1475.3							
	OBS	00700	03.33	34.76	27.68		1475.3							
	STD	00800	03.53	34.82	27.71	00.673	1477.8							
	OBS	00800	03.53	34.822	27.71		1477.8							
	OBS	00821	04.11	34.923	27.73		1480.8							
	OBS	00840	04.19	34.933	27.73		1481.4							
	STD	00900	03.72	34.87	27.74	00.718	1480.4							
	OBS	00900	03.72	34.873	27.74		1480.4							
	OBS	00912	03.63	34.844	27.72		1480.2							
	STD	01000	03.63	34.86	27.74	00.763	1481.7							
	OBS	01000	03.63	34.863	27.74		1481.7							
	STD	01100	03.66	34.87	27.74	00.809	1483.5							
	OBS	01100	03.66	34.870	27.74		1483.5							
	STD	01200	03.64	34.88	27.75	00.855	1485.1							
	OBS	01200	03.64	34.880	27.75		1485.1							
	STD	01300	03.62	34.88	27.75	00.902	1486.7							
	OBS	01300	03.62	34.884	27.75		1486.7							
	STD	01400	03.60	34.89	27.76	00.948	1488.3							
	OBS	01400	03.60	34.890	27.76		1488.3							
	STD	01500	03.59	34.89	27.76	00.995	1489.9							
	OBS	01500	03.59	34.891	27.76		1489.9							

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TABLE III. CGC SHERMAN, October 1974—(Continued)

REFID 31 8407 YEAR 1974 BOTDP 01450 AIR TEMP 13.3 DIR PGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1307
CONSEC 0007 MONTH 10 SHIP 1P WET BULB 11.1 34 1 2 WIND-SPD 12 TRACE DIR D 5 SQUARE 1
LAT 42 38 N DAY 14 DATA USE 1 BAROMETR 1029.8 SEA WIND-FOR DURATION 00.4 2 SQUARE 20
LONG 050 20 W HOUR 20.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 GRID A4 03007 1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	14.65	32.94	24.47	00.000	1503.9							
20.8	OBS	00000	14.65	32.94	24.47		1503.5							
	STD	00010	14.67	32.95	24.48	00.035	1504.0							
	OBS	00010	14.67	32.95	24.48		1504.0							
	STD	00020	14.63	32.93	24.48	00.069	1504.0							
	OBS	00020	14.63	32.93	24.48		1504.0							
	STD	00030	13.57	32.84	24.63	00.103	1500.6							
	OBS	00030	13.57	32.84	24.63		1500.6							
	STD	00050	12.79	34.43	26.01	00.157	1500.3							
	STD	00075	11.56	35.42	26.94	00.196	1499.1							
	OBS	00075	11.56	35.42	26.94		1499.1							
	STD	00100	11.29	35.29	26.97	00.225	1497.0							
	OBS	00100	11.29	35.29	26.97		1497.0							
	OBS	00120	08.29	34.75	27.05		1495.7							
	STD	00125	08.82	34.94	27.12	00.251	1498.0							
	OBS	00125	08.82	34.94	27.12		1498.0							
	OBS	00129	09.12	34.99	27.11		1499.3							
	STD	00150	06.37	34.53	27.15	00.275	1478.4							
	OBS	00150	06.37	34.53	27.15		1478.4							
	OBS	00179	07.36	34.78	27.22		1483.1							
	STD	00200	06.83	34.67	27.24	00.320	1480.0							
	OBS	00200	06.83	34.67	27.24		1480.0							
	OBS	00209	07.11	34.77	27.24		1482.6							
	OBS	00219	06.43	34.66	27.25		1479.9							
	OBS	00230	06.76	34.78	27.30		1481.6							
	OBS	00235	06.63	34.76	27.30		1481.1							
	STD	00250	06.86	34.85	27.34	00.361	1482.4							
	OBS	00250	06.86	34.85	27.34		1482.4							
	OBS	00265	06.72	34.86	27.37		1482.1							
	OBS	00277	06.98	34.96	27.41		1483.3							
	STD	00300	06.46	34.97	27.49	00.397	1481.8							
	OBS	00300	06.46	34.97	27.49		1481.8							
	OBS	00331	06.60	35.05	27.53		1483.0							
	OBS	00340	06.73	35.09	27.55		1483.7							
	OBS	00361	06.72	35.09	27.55		1484.0							
	STD	00400	06.29	35.07	27.59	00.458	1482.9							
	OBS	00400	06.29	35.07	27.59		1482.9							
	OBS	00461	05.70	35.05	27.65		1481.5							
	OBS	00481	05.68	34.98	27.67		1479.2							
	STD	00500	05.02	34.98	27.68	00.510	1479.3							
	OBS	00500	05.02	34.98	27.68		1479.3							
	OBS	00521	04.99	34.98	27.68		1479.7							
	STD	00600	03.96	34.86	27.70	00.558	1476.4							
	OBS	00600	03.96	34.86	27.70		1476.4							
	OBS	00616	03.92	34.86	27.70		1476.5							
	OBS	00626	03.71	34.83	27.70		1475.7							
	OBS	00650	03.62	34.83	27.71		1475.8							
	STD	00700	03.62	34.84	27.72	00.603	1476.6							
	OBS	00700	03.62	34.84	27.72		1476.6							
	OBS	00739	03.64	34.85	27.73		1477.3							
	STD	00800	03.71	34.87	27.73	00.648	1478.7							
	OBS	00800	03.71	34.870	27.73		1478.7							
	STD	00900	03.71	34.88	27.74	00.692	1480.3							
	OBS	00900	03.71	34.875	27.74		1480.3							
	STD	01000	03.70	34.88	27.74	00.737	1482.0							
	OBS	01000	03.70	34.881	27.74		1482.0							
	STD	01100	03.68	34.88	27.75	00.782	1483.6							
	OBS	01100	03.68	34.882	27.75		1483.6							
	STD	01200	03.68	34.88	27.75	00.826	1485.2							
	OBS	01200	03.68	34.884	27.75		1485.2							
	OBS	01281	03.66	34.890	27.76		1486.5							

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TABLE III. CGC SHERMAN, October 1974—(Continued)

REFID 31 8407 YEAR 1974 BOTDP 00284 AIR TEMP 09.4 DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1307
CONSEC 0008 MONTH 10 SHIP 1H WET BULB 07.8 03 0 2 WIND-SPD 07 TRACE DIR D 5 SQUARE 1
LAT 42 50 N DAY 14 DATA USE 1 BAROMETR 1030.8 SEA WIND-FOR DURATION 00.2 2 SQUARE 20
LONG 050 20 W HOUR 22.9 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG A4 03008 1 SQUARE 20

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	11.23	32.42	24.75	00.000	1491.5							
22.9	OBS	00000	11.23	32.42	24.75		1491.5							
	OBS	00006	11.23	32.42	24.75		1491.6							
	STD	00010	10.91	32.35	24.75	00.032	1490.5							
	OBS	00010	10.91	32.35	24.75		1490.5							
	OBS	00016	09.97	32.27	24.85		1487.0							
	OBS	00019	10.80	32.51	24.90		1490.4							
	STD	00020	08.86	32.61	25.29	00.062	1483.4							
	OBS	00020	08.86	32.61	25.29		1483.4							
	OBS	00024	06.44	32.61	25.63		1474.1							
	STD	00030	06.01	32.99	25.99	00.085	1473.0							
	OBS	00030	06.01	32.99	25.99		1473.0							
	STD	00050	02.39	33.16	26.49	00.121	1458.3							
	OBS	00050	02.39	33.16	26.49		1458.3							
	STD	00075	- 1.10	33.24	26.75	00.157	1443.0							
	OBS	00075	- 1.10	33.24	26.75		1443.0							
	STD	00100	- 0.06	33.50	26.92	00.187	1448.6							
	OBS	00100	- 0.06	33.50	26.92		1448.6							
	OBS	00105	00.06	33.50	26.91		1449.2							
	OBS	00110	00.54	33.59	26.94		1453.4							
	STD	00125	03.68	34.00	27.05	00.214	1466.2							
	OBS	00125	03.68	34.00	27.05		1466.2							
	OBS	00129	03.68	34.01	27.05		1466.3							
	OBS	00145	04.33	34.16	27.11		1469.5							
	OBS	00147	04.47	34.20	27.12		1470.2							
	STD	00150	04.34	34.18	27.12	00.235	1469.6							
	OBS	00150	04.34	34.18	27.12		1469.6							
	OBS	00151	04.34	34.19	27.13		1469.7							
	OBS	00165	05.00	34.32	27.16		1472.8							
	OBS	00166	04.97	34.31	27.15		1472.7							
	OBS	00175	05.17	34.41	27.21		1473.8							
	OBS	00195	04.98	34.39	27.22		1473.3							
	STD	00200	04.63	34.36	27.23	00.285	1471.9							
	OBS	00200	04.63	34.36	27.23		1471.9							
	OBS	00205	04.59	34.36	27.24		1471.8							
	OBS	00208	04.47	34.35	27.24		1471.4							
	OBS	00210	04.52	34.37	27.25		1471.6							
	OBS	00212	04.27	34.34	27.26		1470.6							
	OBS	00215	04.31	34.35	27.26		1470.8							
	OBS	00217	04.27	34.35	27.26		1470.7							
	OBS	00220	04.46	34.37	27.26		1471.6							
	OBS	00225	04.18	34.32	27.25		1470.4							
	OBS	00230	04.20	34.33	27.25		1470.6							
	OBS	00234	03.93	34.29	27.25		1469.5							
	OBS	00238	04.01	34.34	27.28		1469.9							
	OBS	00243	03.69	34.29	27.28		1468.6							

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REFID 31 8407 YEAR 1974 BOTDP 00075 AIR TEMP 09.4 DIR HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1307
CONSEC 0009 MONTH 10 SHIP 1H WET BULB 07.8 04 0 2 WIND-SPD 08 TRACE DIR D 5 SQUARE 1
LAT 43 00 N DAY 15 DATA USE 1 BAROMETR 1030.8 SEA WIND-FOR DURATION 00.2 2 SQUARE 20
LONG 050 20 W HOUR 00.3 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG A4 03009 1 SQUARE 30

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	10.23	32.49	24.98	00.000	1488.0							
00.3	OBS	00000	10.23	32.49	24.98		1488.0							
	OBS	00006	10.22	32.49	24.98		1488.1							
	STD	00010	09.82	32.47	25.03	00.030	1486.7							
	OBS	00010	09.82	32.47	25.03		1486.7							
	STD	00020	05.36	32.73	25.86	00.055	1469.8							
	OBS	00020	05.36	32.73	25.86		1469.8							
	STD	00030	00.54	32.96	26.43	00.074	1451.2							
	OBS	00030	00.94	32.96	26.43		1451.2							
	OBS	00035	- 0.15	33.07	26.58		1446.5							
	OBS	00041	- 0.28	33.18	26.67		1446.2							
	OBS	00045	- 0.46	33.20	26.70		1445.4							
	STD	00050	- 0.49	33.20	26.70	00.103	1445.4							
	OBS	00050	- 0.49	33.20	26.70		1445.4							
	OBS	00054	- 0.50	33.19	26.69		1445.4							

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REFID 31 8407 YEAR 1974 BOTDP 00068 AIR TEMP 08.3 DIR HGT PER WIND-DIR 34 INST STD RECORDER TEN SQ 1307
CONSEC 0010 MONTH 10 SHIP 1H WET BULB 06.4 34 0 2 WIND-SPD 08 TRACE DIR D 5 SQUARE 1
LAT 43 10 N DAY 15 DATA USE 1 BAROMETR 1031.5 SEA WIND-FOR DURATION 00.2 2 SQUARE 20
LONG 050 20 W HOUR 01.5 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG A4 03010 1 SQUARE 30

CASTNUM/TIME	LVLTYP	DEPTH	TEMP	SAL	SIGMA-T	DYNDPTH	SND VEL	OXYG	PO4	TOT P	NO2	NO3	SIO3	PH
	STD	00000	09.79	32.38	24.96	00.000	1486.3							
01.5	OBS	00000	09.79	32.38	24.96		1486.3							
	STD	00010	08.01	32.43	25.28	00.025	1479.8							
	OBS	00010	08.01	32.43	25.28		1479.8							
	STD	00020	02.44	32.80	26.20	00.051	1457.5							
	OBS	00020	02.44	32.80	26.20		1457.5							
	STD	00030	01.54	33.00	26.43	00.068	1454.0							
	OBS	00030	01.54	33.00	26.43		1454.0							
	OBS	00039	01.33	33.02	26.46		1453.2							
	OBS	00043	01.18	33.04	26.48		1452.6							
	STD	00050	00.91	33.07	26.52	00.100	1451.6							
	OBS	00050	00.91	33.07	26.52		1451.6							

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U.S. Department
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**United States
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